

# Misurfuel®



## ELECTRONIC COMPUTING HEADS AND SPARE PARTS

# PRICE LIST 2023

Rev. 00: dated 15/02/2023

Metric Laboratories Certificates:

Ufficio Metrico Italiano – ROMA (n° DM 1298060 dated 17-12-1998)  
LNE Laboratoire National d'Essais – PARIS (n° LNE-15272 rev 3 d. 07-11-2018)  
LNE Laboratoire National d'Essais – PARIS (n° LNE-15430 rev 2 d. 29-11-2018)  
AT-LAB Notified Body n° 2081– ASTI (n° AT-Lab-I17-048/0 rev.0 d. 03-05-2017)

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	<b>COMPUTING HEADS</b>	Ed.2023 – Rev.00 del 15/02/2023
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#### PRICES

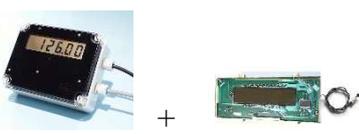
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VERSION	FUEL	CODES KITS	DESCRIPTION KITS	PG.
Standard	Liquid	TEW1-VM-B	Two-sided PETROL / LPG compact computing head kit - (old version)	04
		TEW1-VM-B2	Two-sided PETROL / LPG compact computing head kit - <b>(New Version)</b>	04
		TEW1-VM-M	One-sided PETROL / LPG compact computing head kit	04
		TW1.4-B-CM	PETROL - LPG - LNG SINGLE CHANEL Multiproducts computing head kit	07
		TW1-B.M-CB	Two-sided LNG Double Channel with Recovery computing head kit	09
		TW1-B.M-CM	One-sided LNG Double Channel with Recovery computing head kit	09
		TW1-B-CB	Two-sided PETROL - LPG - LNG SINGLE CHANEL computing head kit	06
	TW1-B-CM	One-sided PETROL - LPG - LNG SINGLE CHANEL computing head kit	06	
	TW1-B-VB	Two-sided PETROL - LPG - LNG SINGLE CHANEL volumetric head kit	05	
	TW1-B-VM	One-sided PETROL - LPG - LNG SINGLE CHANEL volumetric head kit	05	
GASEOUS	TW1-M-CB	Two-sided CNG (methane) computing head kit	08	
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ATEX	Liquid	TW1.4nA-B-CM	PETROL - LPG - LNG SINGLE CHANEL Multiproducts head kit ATEX Version	12
		TW1nA-B.M-CB	Two-sided LNG Double Channel with Recovery computing head kit ATEX Version	14
		TW1nA-B.M-CM	One-sided LNG Double Channel with Recovery computing head kit ATEX Version	14
		TW1nA-B-CB	Two-sided PETROL - LPG - LNG SINGLE CHANEL computing head kit ATEX Version	11
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		TW1nA-B-VB	Two-sided PETROL - LPG - LNG SINGLE CHANEL volumetric head kit ATEX Version	10
	TW1nA-B-VM	One-sided PETROL - LPG - LNG SINGLE CHANEL volumetric head kit ATEX Version	10	
	GASEOUS	TW1nA-M-CB	Two-sided CNG (methane) computing head kit ATEX Version	13
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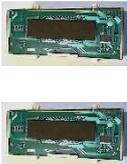
CODES	PARTS FOR COMPUTING HEADS	PG.
TEW1-VM-M	Compact computing head kit for PETROL - LPG	15
TW1.4-B-CPU	Power supply-CPU board for PETROL - LPG - LNG Single Chanel multiproducts	16
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TW1-B.M-CPU	Power supply-CPU board for LNG Double Channel with Recovery	16
TW1-B-CPU	Power supply-CPU board for PETROL - LPG - LNG Single Chanel	16
TW1-M-CPU	Power supply-CPU board for CNG (Methane)	16
TW1nA-B.M-CPU	Power supply-CPU board for LNG Double Channel with Recovery ATEX Version	16
TW1nA-B-CPU	Power supply-CPU board for PETROL - LPG - LNG Single Chanel ATEX Version	16
TW1nA-M-CPU	Power supply-CPU board for CNG (Methane) ATEX Version	16
TW1-DCN	Slave DISPLAY board without totalizer NO back-light	16
TW1-DCN-L	Slave DISPLAY board without totalizer with back-light	16
TW1-DCT	Master DISPLAY board with totalizer NO back-light	16
TW1-DCT-L	Master DISPLAY board with totalizer with back-light	16
TW1-DMN	Master DISPLAY board without totalizer NO back-light	16
TW1-DMN-L	Master DISPLAY board without totalizer with back-light	16
TW1-DPU-L	4 Unit Price Display with back-light card	18
TW1-DVN	Volumetric DISPLAY board without totalizer NO back-light	16
TW1-DVN-L	Volumetric DISPLAY board without totalizer with back-light	16
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TW1-STP	SETUP board	18

CODES	ACCESSORI FOR COMPUTING HEADS	PG.
TEW1-FL1	Flat cable round for Two-sided compact computing (old version) TEW1-VM-B	15
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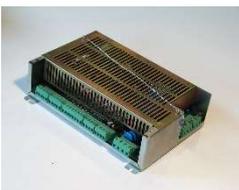
**LIQUID FUEL (PETROL - LPG - etc.)  
COMPACT VOLUMETRIC HEAD KITS**

<p align="center"><b>TEW1-VM-M</b></p> <p align="center"><b>One-sided Compact computing head</b></p>  <p align="center"><b>TEW1-VM-M</b></p>	<p><b>COMPACT COMPUTING HEAD KIT One-sided</b></p> <p><b>TEW1-VM-M</b> ..... with n° 2 Glands for cables</p> <p><b>Technical specifications of TEW1-VM-M:</b></p> <ul style="list-style-type: none"> <li>- Power supply 230 Vca</li> <li>- Self-extinguishing Thermoplastic Housing IP 56</li> <li>- n° 1 Relay 5A, 250 Vca , 625 VA, N.O. contact for Motor/Pump</li> <li>- Back-lighting for Display (6 digit) with Leds and Diffuser</li> <li>- Output pulser repetition for supervision system</li> <li>- <b>Changeable comma position on display (xxx,yy or xxxx,y)</b></li> <li>- Electronic Totalizer (6 digits)</li> </ul> <p><b>Accessories:</b></p> <ul style="list-style-type: none"> <li>- Pulser Eltomatic 01-09; pulse/turn to define; TW1-E0109 1,5 m cable</li> </ul>	<p align="right">page 15</p> <p align="right">page 15</p>
<p align="center"><b>TEW1-VM-B2</b></p> <p align="center"><b>Two-sided compact computing head</b></p>  <p align="center"><b>TEW1-VM-M</b> Set as computing head</p> <p align="center">+</p>  <p align="center"><b>TEW1-VM-M</b> Set as second display (6 digit)</p>	<p><b>COMPACT COMPUTING HEAD KIT Two-sided</b></p> <p><b>TEW1-VM-B2</b> Composed of:</p> <ul style="list-style-type: none"> <li>- n° 2 Compact Volumetric Head with n° 4 Glands for cables <span style="float: right;">TEW1-VM-M</span></li> <li>- Shielded Flat cable with two glands and two connections and 1 terminal for shield connection to Ground <span style="float: right;">TEW1-FL3</span></li> </ul> <p><b>Technical specifications of TEW1-VM-M:</b></p> <ul style="list-style-type: none"> <li>- Power supply 230 Vca</li> <li>- Self-extinguishing Thermoplastic Housing IP 56</li> <li>- n° 1 Relay 5A, 250 Vca , 625 VA, N.O. contact for Motor/Pump</li> <li>- Back-lighting for Display (6 digit) with Leds and Diffuser</li> <li>- Output pulser repetition for supervision system</li> <li>- <b>Changeable comma position on display (xxx,yy or xxxx,y)</b></li> <li>- Electronic Totalizer (6 digits)</li> <li>- By means of a jumper you can choose Computer Head or 2° Display (6 digit)</li> </ul>	<p align="right">page 15</p>
<p align="center"><b>TEW1-VM-B</b> (Old Version)</p>  <p><b>TEW1-VM-M + TW1-DVN-LC</b> Second Display Board (5 digit)</p>	<p><b>COMPACT COMPUTING HEAD KIT Two-sided old TEW1-VM-B</b> Composed of:</p> <ul style="list-style-type: none"> <li>- n° 1 Compact Volumetric Head with n° 2 Glands for cables <span style="float: right;">TEW1-VM-M</span></li> <li>- DISPLAY board with back-lighting with LED <span style="float: right;">TW1-DVN-LC</span></li> <li>- Flat cable with one gland and two connections <span style="float: right;">TEW1-FL1</span></li> </ul>	<p align="right">page 15</p>
	<p><b>Accessories:</b></p> <ul style="list-style-type: none"> <li>- Pulser Eltomatic 01-09; pulse/turn to define; TW1-E0109 1,5 m cable</li> </ul>	<p align="right">page 15</p>

## LIQUID FUEL (PETROL - LPG – LNG Single Channel - etc.) VOLUMETRIC COMPUTING HEAD KIT

<p style="text-align: center;"><b>TW1-B-VB-L</b> <b>Two sided computing head</b></p> <div style="text-align: center;">  <p>Power supply-CPU board</p> </div> <div style="text-align: center; margin-top: 10px;">  <p>DISPLAY boards</p> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;">  <p>SETUP</p> </div> <div style="text-align: center;">  <p>FLAT</p> </div> </div>	<p><b>VOLUMETRIC HEAD KIT: Two-sided</b></p> <p><b>TW1-B-VB</b> Composed of:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 60%;">- Power supply – CPU board</td> <td style="width: 40%;">TW1-B-CPU</td> </tr> <tr> <td>- DISPLAY board with totalizer and LED back-light (230 Vca)</td> <td>TW1-DVT-L</td> </tr> <tr> <td>- DISPLAY board with LED back-light (230 Vca)</td> <td>TW1-DVN-L</td> </tr> <tr> <td colspan="2"> </td> </tr> <tr> <td>- SETUP board</td> <td>TW1-STP</td> </tr> <tr> <td>- Flat cable 4 connections</td> <td>TW1-FL2</td> </tr> </table> <p><b>Technical specifications:</b></p> <ul style="list-style-type: none"> <li>- Power supply 230 Vca</li> <li>- Passivated steel cabinets</li> <li>- Arranged for pre-setting</li> <li>- n. 2 Relays 3A, 270 Vca , 810 VA, N.O. contact for E/V, E/Pump</li> <li>- n. 2 Relays 3A, 270 Vca , 810 VA, N.O. contact for signal lights</li> <li>- n. 1 host communicating line, 3 cables current loop, Logitron Protocol</li> <li>- Temperature compensation for LPG version</li> </ul> <p><b>Options:</b></p> <ul style="list-style-type: none"> <li>- Own coding host communicating board</li> </ul> <p><b>Accessories:</b></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 60%;">- Pre-setting keypad</td> <td style="width: 40%;">TW1-TEX</td> </tr> <tr> <td>- Pulser Eltomatic 01-09; pulse/turn to define; 1,5 m cable</td> <td>TW1-E0109</td> </tr> </table>	- Power supply – CPU board	TW1-B-CPU	- DISPLAY board with totalizer and LED back-light (230 Vca)	TW1-DVT-L	- DISPLAY board with LED back-light (230 Vca)	TW1-DVN-L			- SETUP board	TW1-STP	- Flat cable 4 connections	TW1-FL2	- Pre-setting keypad	TW1-TEX	- Pulser Eltomatic 01-09; pulse/turn to define; 1,5 m cable	TW1-E0109	<div style="font-size: 2em;">}</div> <p>page 16</p> <div style="font-size: 2em;">}</div> <p>page 18</p> <p style="margin-top: 20px;">on demand</p> <div style="font-size: 2em;">}</div> <p>page 17</p>
- Power supply – CPU board	TW1-B-CPU																	
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- SETUP board	TW1-STP																	
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- Pre-setting keypad	TW1-TEX																	
- Pulser Eltomatic 01-09; pulse/turn to define; 1,5 m cable	TW1-E0109																	
<p style="text-align: center;"><b>TW1-B-VM-L</b> <b>One-sided computing head</b></p> <div style="text-align: center;">  <p>Power supply-CPU board</p> </div> <div style="text-align: center; margin-top: 10px;">  <p>DISPLAY boards</p> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;">  <p>SETUP</p> </div> <div style="text-align: center;">  <p>FLAT</p> </div> </div>	<p><b>VOLUMETRIC HEAD KIT: One-sided</b></p> <p><b>TW1-B-VM</b> Composed of:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 60%;">- Power supply – CPU board</td> <td style="width: 40%;">TW1-B-CPU</td> </tr> <tr> <td>- DISPLAY board with totalizer and LED back-light (230 Vca)</td> <td>TW1-DVT-L</td> </tr> <tr> <td colspan="2"> </td> </tr> <tr> <td>- SETUP board</td> <td>TW1-STP</td> </tr> <tr> <td>- Flat cable 3 connections</td> <td>TW1-FL1</td> </tr> </table> <p><b>Technical specifications:</b></p> <ul style="list-style-type: none"> <li>- Power supply 230 Vca</li> <li>- Passivated steel cabinets</li> <li>- Arranged for pre-setting</li> <li>- n. 2 Relays 3A, 270 Vca , 810 VA, N.O. contact for E/V, E/Pump</li> <li>- n. 2 Relays 3A, 270 Vca , 810 VA, N.O. contact for signal lights</li> <li>- n. 1 host communicating line, 3 cables current loop, Logitron Protocol</li> <li>- Temperature compensation for LPG version</li> </ul> <p><b>Options:</b></p> <ul style="list-style-type: none"> <li>- Own coding host communicating board</li> </ul> <p><b>Accessories:</b></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 60%;">- Pre-setting keypad</td> <td style="width: 40%;">TW1-TEX</td> </tr> <tr> <td>- Pulser Eltomatic 01-09; pulse/turn to define; 1,5 m cable</td> <td>TW1-E0109</td> </tr> </table>	- Power supply – CPU board	TW1-B-CPU	- DISPLAY board with totalizer and LED back-light (230 Vca)	TW1-DVT-L			- SETUP board	TW1-STP	- Flat cable 3 connections	TW1-FL1	- Pre-setting keypad	TW1-TEX	- Pulser Eltomatic 01-09; pulse/turn to define; 1,5 m cable	TW1-E0109	<div style="font-size: 2em;">}</div> <p>page 16</p> <div style="font-size: 2em;">}</div> <p>page 18</p> <p style="margin-top: 20px;">on demand</p> <div style="font-size: 2em;">}</div> <p>page 17</p>		
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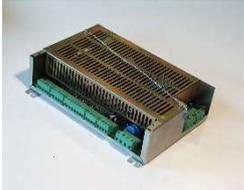
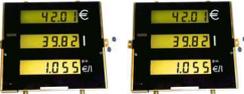
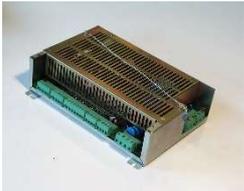
## LIQUID FUEL (PETROL - LPG - LNG Single Channel - etc.) COMPUTING HEAD KITS

<p style="text-align: center;"><b>TW1-B-CB-L</b> Two sided computing head</p> <div style="text-align: center;">  <p>Power supply –CPU board</p> </div> <div style="text-align: center; margin-top: 20px;">  <p>DISPLAY boards</p> </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div style="text-align: center;">  <p>SETUP</p> </div> <div style="text-align: center;">  <p>FLAT</p> </div> </div>	<p><b>COMPUTING HEAD KIT: Two-sided</b></p> <p><b>TW1-B-CB</b> Composed of:</p> <ul style="list-style-type: none"> <li>- Power supply – CPU board <span style="float: right;">TW1-B-CPU</span></li> <li>- DISPLAY board with totalizer and LED back-light (230 Vca) <span style="float: right;">TW1-DCT-L</span></li> <li>- DISPLAY board with LED back-light (230 Vca) <span style="float: right;">TW1-DCN-L</span></li> <li>- SETUP board <span style="float: right;">TW1-STP</span></li> <li>- Flat cable 4 connections <span style="float: right;">TW1-FL2</span></li> </ul> <p><b>Technical specifications:</b></p> <ul style="list-style-type: none"> <li>- Power supply 230 Vca</li> <li>- Passivated steel cabinets</li> <li>- n. 2 Relays 3A, 270 Vca , 810 VA, N.O. contact for E/V, E/Pump</li> <li>- n. 2 Relays 3A, 270 Vca , 810 VA, N.O. contact for signal lights</li> <li>- n. 1 host communication line, 3 cables current loop, Logitron Protocol</li> <li>- Temperature compensation for LPG version</li> </ul> <p><b>Options:</b></p> <ul style="list-style-type: none"> <li>- Own coding host communicating board <span style="float: right;">on demand</span></li> </ul> <p><b>Accessories:</b></p> <ul style="list-style-type: none"> <li>- Pre-setting keypad <span style="float: right;">TW1-TEX</span></li> <li>- Pulser Eltomatic 01-09; pulse/turn to define; 1,5 m cable <span style="float: right;">TW1-E0109</span></li> </ul>	<p style="font-size: 2em;">}</p> <p>page 16</p> <p style="font-size: 2em;">}</p> <p>page 18</p> <p style="font-size: 2em;">}</p> <p>page 17</p>
<p style="text-align: center;"><b>TW1-B-CM-L</b> One-sided computing head</p> <div style="text-align: center;">  <p>Power supply-CPU board</p> </div> <div style="text-align: center; margin-top: 20px;">  <p>DISPLAY board</p> </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div style="text-align: center;">  <p>SETUP</p> </div> <div style="text-align: center;">  <p>FLAT</p> </div> </div>	<p><b>COMPUTING HEAD KIT: One-sided:</b></p> <p><b>TW1-B-CM</b> Composed of:</p> <ul style="list-style-type: none"> <li>- Power supply – CPU board <span style="float: right;">TW1-B-CPU</span></li> <li>- DISPLAY board with totalizer and LED back-light (230 Vca) <span style="float: right;">TW1-DCT-L</span></li> <li>- SETUP board <span style="float: right;">TW1-STP</span></li> <li>- Flat cable 3 connections <span style="float: right;">TW1-FL1</span></li> </ul> <p><b>Technical specifications:</b></p> <ul style="list-style-type: none"> <li>- Power supply 230 Vca</li> <li>- Passivated steel cabinets</li> <li>- n. 2 Relays 3A, 270 Vca , 810 VA, N.O. contact for E/V, E/Pump</li> <li>- n. 2 Relays 3A, 270 Vca , 810 VA, N.O. contact for signal lights</li> <li>- n. 1 host communicating line, 3 cables current loop, Logitron Protocol</li> <li>- Temperature compensation for LPG version</li> </ul> <p><b>Options:</b></p> <ul style="list-style-type: none"> <li>- Own coding host communicating board <span style="float: right;">on demand</span></li> </ul> <p><b>Accessories:</b></p> <ul style="list-style-type: none"> <li>- Pre-setting keypad <span style="float: right;">TW1-TEX</span></li> <li>- Pulser Eltomatic 01-09; pulse/turn to define; 1,5 m cable <span style="float: right;">TW1-E0109</span></li> </ul>	<p style="font-size: 2em;">}</p> <p>page 16</p> <p style="font-size: 2em;">}</p> <p>page 18</p> <p style="font-size: 2em;">}</p> <p>page 17</p>

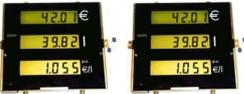
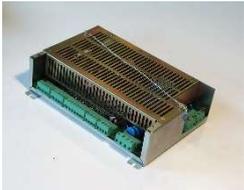
**LIQUID FUEL  
(PETROL - LPG – LNG Single Channel - etc.)  
MULTIPRODUCTS COMPUTING HEAD KITS**

<p><b>TW1.4-B-CM-L</b> Computing head</p>  <p>Power supply –CPU board</p>  <p>DISPLAY board</p>  <p>SETUP</p>	<p><b>MULTIPRODUCTS COMPUTING HEAD KIT:</b></p> <p><b>TW1.4-B-CM</b> for: <b>4 products (4 nozzles) single side</b> Composed of:</p> <ul style="list-style-type: none"> <li>- Power supply – CPU board TW1.4-B-CPU</li> <li>- Master DISPLAY (without electromechanical totalizer) TW1-DMN-L with LED back-light (230 Vca)</li> <li>- SETUP board TW1-STP</li> </ul> <p><b>Technical specifications:</b></p> <ul style="list-style-type: none"> <li>- Power supply 230 Vca</li> <li>- Passivated steel cabinets</li> <li>- n. 2x4 Relays 3A, 270 Vca, 810 VA, N.O. as multiplexer for E/Valves and E/Pumps</li> <li>- n. 2 Relays 3A, 270 Vca , 810 VA, N.O. in order to drive E/Valves and E/Pumps</li> <li>- n. 2 Relays 3A, 270 Vca , 810 VA, N.O. in order to drive signal lights</li> <li>- n. 1 host communication line, 3 cables current loop, Logitron Protocol</li> <li>- n. 1 Temperature compensation provided for LPG product only</li> </ul> <p><b>Options:</b></p> <ul style="list-style-type: none"> <li>- Own coding host communicating board</li> </ul>	<p>} page 16</p> <p>page 18</p> <p>on demand</p>
<p>a) </p> <p>b) </p> <p>d) </p> <p>e)  f) </p> <p>g)  ...l)  ...etc</p>	<p><b>Accessories:</b></p> <ul style="list-style-type: none"> <li>a) Pulsar Eltomatic 01-09; pulse/turn to define; 1,5 m cable TW1-E0109</li> <li>b) Pre-setting keypad Extended with interface TW1-TEX</li> <li>d)- Slave DISPLAY board without totalizer with LED back-light (230 Vca) TW1-DCN-L OR - Slave DISPLAY board without totalizer and without back-light TW1-DCN</li> <li>e) 4 Unit Price Display with back-light card TW1-DPU-L</li> <li>f) 4 Electromechanical Totalizer card TW1-MTE only with present TW1-DPU-L</li> <li>g) Flat cable 2 connections for DPU-L/MTE TW1-FL9</li> <li>h) Flat cable 3 connections TW1-FL1</li> <li>i) Flat cable 4 connections TW1-FL2</li> <li>l) Flat cable 5 connections TW1-FL3</li> <li>m) Flat cable 6 connections TW1-FL4</li> <li>n) Flat cable 7 connections TW1-FL5</li> </ul>	<p>} page 17</p> <p>} page 16</p> <p>} page 18</p>

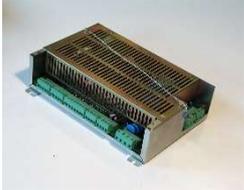
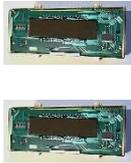
## GASEOUS FUEL CNG (METHANE) COMPUTING HEAD KITS

<p style="text-align: center;"><b>TW1-M-CB-L</b> Two-sided computing head</p> <div style="text-align: center;">  <p>Power supply –CPU board</p> </div> <div style="text-align: center; margin-top: 20px;">  <p>DISPLAY boards</p> </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div style="text-align: center;">  <p>SETUP</p> </div> <div style="text-align: center;">  <p>FLAT</p> </div> </div>	<p><b>COMPUTING HEAD KIT : Two-sided</b></p> <p><b>TW1-M-CB</b> Composed of:</p> <ul style="list-style-type: none"> <li>- Power supply – CPU board <span style="float: right;">TW1-M-CPU</span></li> <li>- DISPLAY board with totalizer and LED back-light (230 Vca) <span style="float: right;">TW1-DCT-L</span></li> <li>- DISPLAY board with LED back-light (230 Vca) <span style="float: right;">TW1-DCN-L</span></li> <li>- SETUP board <span style="float: right;">TW1-STP</span></li> <li>- Flat cable 4 connections <span style="float: right;">TW1-FL2</span></li> </ul> <p><b>Technical specifications:</b></p> <ul style="list-style-type: none"> <li>- Power supply 230 Vca</li> <li>- Passivated steel cabinets</li> <li>- n. 5 Relays 3A, 270 Vca , 810 VA, N.O. for E/V and Signal Lights</li> <li>- n. 1 host communicating line, 3 cables current loop, Logitron Protocol</li> <li>- entrance signal from: Rheonik, Micromotion, Endress Hauser (10gr/imp) or from MODBUS (Krohne, Micromotion, Endress Hauser)</li> <li>- Temperature compensation</li> <li>- <b>Ready for Self-Service Operation</b> (Ministerial Decree 11/09/2008)</li> </ul> <p><b>Options:</b></p> <ul style="list-style-type: none"> <li>- Own coding host communicating board <span style="float: right;">on demand</span></li> </ul> <p><b>Accessories:</b></p> <ul style="list-style-type: none"> <li>- Pre-setting keypad <span style="float: right;">TW1-TEX <span style="margin-left: 20px;">page 17</span></span></li> </ul>	<div style="font-size: 2em;">}</div> <p>page 16</p> <div style="font-size: 2em;">}</div> <p>page 18</p>
<p style="text-align: center;"><b>TW1-M-CM-L</b> One-sided computing head</p> <div style="text-align: center;">  <p>Power supply-CPU board</p> </div> <div style="text-align: center; margin-top: 20px;">  <p>DISPLAY board</p> </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div style="text-align: center;">  <p>SETUP</p> </div> <div style="text-align: center;">  <p>FLAT</p> </div> </div>	<p><b>COMPUTING HEAD KIT: One-sided</b></p> <p><b>TW1-M-CM</b> Composed of:</p> <ul style="list-style-type: none"> <li>- Power supply – CPU board <span style="float: right;">TW1-M-CPU</span></li> <li>- DISPLAY board with totalizer and LED back-light (230 Vca) <span style="float: right;">TW1-DCT-L</span></li> <li>- SETUP board <span style="float: right;">TW1-STP</span></li> <li>- Flat cable 3 connections <span style="float: right;">TW1-FL1</span></li> </ul> <p><b>Technical specifications:</b></p> <ul style="list-style-type: none"> <li>- Power supply 230 Vca</li> <li>- Passivated steel cabinets</li> <li>- n. 5 Relays 3A, 270 Vca , 810 VA, N.O. for E/V and Signal Lights</li> <li>- n. 1 host communicating line, 3 cables current loop, Logitron Protocol</li> <li>- entrance signal from: Rheonik, Micromotion, Endress Hauser (10gr/imp) or from MODBUS (Krohne, Micromotion, Endress Hauser)</li> <li>- Temperature compensation</li> <li>- <b>Ready for Self-Service Operation</b> (Ministerial Decree 11/09/2008)</li> </ul> <p><b>Options:</b></p> <ul style="list-style-type: none"> <li>- Own coding host communicating board <span style="float: right;">on demand</span></li> </ul> <p><b>Accessories:</b></p> <ul style="list-style-type: none"> <li>- Pre-setting keypad <span style="float: right;">TW1-TEX <span style="margin-left: 20px;">page 17</span></span></li> </ul>	<div style="font-size: 2em;">}</div> <p>page 16</p> <div style="font-size: 2em;">}</div> <p>page 18</p>

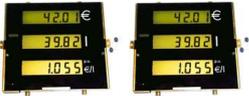
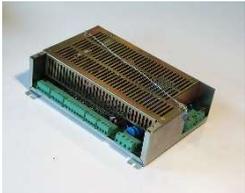
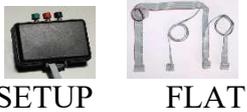
## LIQUID FUEL LNG Double Channel with Recovery COMPUTING HEAD KITS

<p style="text-align: center;"><b>TW1-B.M-CB-L</b> Two-sided computing head</p> <div style="text-align: center;">  <p>Power supply –CPU board</p> </div> <div style="text-align: center; margin-top: 10px;">  <p>DISPLAY boards</p> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;">  <p>SETUP</p> </div> <div style="text-align: center;">  <p>FLAT</p> </div> </div>	<p><b>COMPUTING HEAD KIT : Two-sided</b></p> <p><b>TW1-B.M-CB</b> Composed of:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 60%;">- Power supply – CPU board</td> <td style="width: 40%;">TW1-B.M-CPU</td> </tr> <tr> <td>- DISPLAY board (without electromechanical totalizer) with LED back-light (230 Vca)</td> <td>TW1-DMN-L</td> </tr> <tr> <td>- DISPLAY board with LED back-light (230 Vca)</td> <td>TW1-DCN-L</td> </tr> <tr> <td>- SETUP board</td> <td>TW1-STP</td> </tr> <tr> <td>- Flat cable 5 connections</td> <td>TW1-FL3</td> </tr> </table> <p><b>Technical specifications:</b></p> <ul style="list-style-type: none"> <li>- Power supply 230 Vca</li> <li>- Passivated steel cabinets</li> <li>- n. 5 Relays 3A, 270 Vca , 810 VA, N.O. for E/V and Signal Lights</li> <li>- n. 1 host communicating line, 3 cables current loop, Logitron Protocol</li> <li>- <b>dual entrance signal</b> from: Rheonik, Micromotion, Endress Hauser (10gr/imp) or from MODBUS (Krohne, Micromotion, Endress Hauser)</li> <li>- <b>auxiliary channel counting for recovery</b> (for pressure &amp; temperature reduction)</li> <li>- Temperature compensation</li> </ul> <p><b>Options:</b></p> <ul style="list-style-type: none"> <li>- Own coding host communicating board</li> </ul> <p><b>Accessories:</b></p> <ul style="list-style-type: none"> <li>- Pre-setting keypad</li> </ul>	- Power supply – CPU board	TW1-B.M-CPU	- DISPLAY board (without electromechanical totalizer) with LED back-light (230 Vca)	TW1-DMN-L	- DISPLAY board with LED back-light (230 Vca)	TW1-DCN-L	- SETUP board	TW1-STP	- Flat cable 5 connections	TW1-FL3	<div style="font-size: 2em;">}</div> <p>page 16</p> <div style="font-size: 2em;">}</div> <p>page 18</p> <p style="text-align: center; margin-top: 20px;">on demand</p> <p style="text-align: center;">page 17</p>
- Power supply – CPU board	TW1-B.M-CPU											
- DISPLAY board (without electromechanical totalizer) with LED back-light (230 Vca)	TW1-DMN-L											
- DISPLAY board with LED back-light (230 Vca)	TW1-DCN-L											
- SETUP board	TW1-STP											
- Flat cable 5 connections	TW1-FL3											
<p style="text-align: center;"><b>TW1-B.M-CM-L</b> One-sided computing head</p> <div style="text-align: center;">  <p>Power supply-CPU board</p> </div> <div style="text-align: center; margin-top: 10px;">  <p>DISPLAY board</p> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;">  <p>SETUP</p> </div> <div style="text-align: center;">  <p>FLAT</p> </div> </div>	<p><b>COMPUTING HEAD KIT: One-sided</b></p> <p><b>TW1-B.M-CM</b> Composed of:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 60%;">- Power supply – CPU board</td> <td style="width: 40%;">TW1-B.M-CPU</td> </tr> <tr> <td>- DISPLAY board (without electromechanical totalizer) with LED back-light (230 Vca)</td> <td>TW1-DMN-L</td> </tr> <tr> <td>- SETUP board</td> <td>TW1-STP</td> </tr> <tr> <td>- Flat cable 4 connections</td> <td>TW1-FL2</td> </tr> </table> <p><b>Technical specifications:</b></p> <ul style="list-style-type: none"> <li>- Power supply 230 Vca</li> <li>- Passivated steel cabinets</li> <li>- n. 5 Relays 3A, 270 Vca , 810 VA, N.O. for E/V and Signal Lights</li> <li>- n. 1 host communicating line, 3 cables current loop, Logitron Protocol</li> <li>- <b>dual entrance signal</b> from: Rheonik, Micromotion, Endress Hauser (10gr/imp) or from MODBUS (Krohne, Micromotion, Endress Hauser)</li> <li>- <b>auxiliary channel counting for recovery</b> (for pressure &amp; temperature reduction)</li> <li>- Temperature compensation</li> </ul> <p><b>Options:</b></p> <ul style="list-style-type: none"> <li>- Own coding host communicating board</li> </ul> <p><b>Accessories:</b></p> <ul style="list-style-type: none"> <li>- Pre-setting keypad</li> </ul>	- Power supply – CPU board	TW1-B.M-CPU	- DISPLAY board (without electromechanical totalizer) with LED back-light (230 Vca)	TW1-DMN-L	- SETUP board	TW1-STP	- Flat cable 4 connections	TW1-FL2	<div style="font-size: 2em;">}</div> <p>page 16</p> <div style="font-size: 2em;">}</div> <p>page 18</p> <p style="text-align: center; margin-top: 20px;">on demand</p> <p style="text-align: center;">page 17</p>		
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- SETUP board	TW1-STP											
- Flat cable 4 connections	TW1-FL2											

**LIQUID FUEL**  
**(PETROL - LPG – LNG Single Channel - etc.)**  
**VOLUMETRIC ATEX Version Ex nA IIC T4 X**

<p style="text-align: center;"><b>TW1nA-B-VB-L</b> Two sided computing head</p> <div style="text-align: center;">               Power supply-CPU board         </div> <div style="text-align: center; margin-top: 10px;">               DISPLAY boards         </div> <div style="text-align: center; margin-top: 10px;">               SETUP      FLAT         </div>	<p><b>VOLUMETRIC HEAD KIT:      Two-sided</b></p> <p><b>TW1nA-B-VB</b>    Composed of: .</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 60%;">- Power supply – CPU board</td> <td style="width: 40%;">TW1nA-B-CPU</td> </tr> <tr> <td>- DISPLAY board with totalizer and LED back-light (230 Vca)</td> <td>TW1-DVT-L</td> </tr> <tr> <td>- DISPLAY board with LED back-light (230 Vca)</td> <td>TW1-DVN-L</td> </tr> <tr> <td>- SETUP board</td> <td>TW1-STP</td> </tr> <tr> <td>- Flat cable 4 connections</td> <td>TW1-FL2</td> </tr> </table> <p><b>Technical specifications:</b></p> <ul style="list-style-type: none"> <li>- Power supply 230 Vca</li> <li>- Passivated steel cabinets</li> <li>- n. 4 Solid State Relays 1A, 270 Vca , 270 VA, N.O. for E/V, E/Pump and Signal Lights</li> <li>- n. 1 host communication line, 3 cables current loop, Logitron Protocol</li> <li>- Temperature compensation for LPG version</li> </ul> <p><b>Options:</b></p> <ul style="list-style-type: none"> <li>- Own coding host communicating board</li> </ul> <p><b>Accessories:</b></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 60%;">- Pre-setting keypad</td> <td style="width: 40%;">TW1-TEX</td> </tr> <tr> <td>- Pulser Eltomatic 01-09; pulse/turn to define; 1,5 m cable</td> <td>TW1-E0109</td> </tr> </table>	- Power supply – CPU board	TW1nA-B-CPU	- DISPLAY board with totalizer and LED back-light (230 Vca)	TW1-DVT-L	- DISPLAY board with LED back-light (230 Vca)	TW1-DVN-L	- SETUP board	TW1-STP	- Flat cable 4 connections	TW1-FL2	- Pre-setting keypad	TW1-TEX	- Pulser Eltomatic 01-09; pulse/turn to define; 1,5 m cable	TW1-E0109	<div style="font-size: 2em;">}</div> page 16  <div style="font-size: 2em;">}</div> page 18          <div style="font-size: 2em;">}</div> page 17
- Power supply – CPU board	TW1nA-B-CPU															
- DISPLAY board with totalizer and LED back-light (230 Vca)	TW1-DVT-L															
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- Pre-setting keypad	TW1-TEX															
- Pulser Eltomatic 01-09; pulse/turn to define; 1,5 m cable	TW1-E0109															
<p style="text-align: center;"><b>TW1nA-B-VM-L</b> One-sided computing head</p> <div style="text-align: center;">               Power supply-CPU board         </div> <div style="text-align: center; margin-top: 10px;">               DISPLAY boards         </div> <div style="text-align: center; margin-top: 10px;">               SETUP      FLAT         </div>	<p><b>VOLUMETRIC HEAD KIT:      One-sided</b></p> <p><b>TW1nA-B-VM</b>    Composed of:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 60%;">- Power supply – CPU board</td> <td style="width: 40%;">TW1nA-B-CPU</td> </tr> <tr> <td>- DISPLAY board with totalizer and LED back-light (230 Vca)</td> <td>TW1-DVT-L</td> </tr> <tr> <td>- SETUP board</td> <td>TW1-STP</td> </tr> <tr> <td>- Flat cable 3 connections</td> <td>TW1-FL1</td> </tr> </table> <p><b>Technical specifications:</b></p> <ul style="list-style-type: none"> <li>- Power supply 230 Vca</li> <li>- Passivated steel cabinets</li> <li>- n. 4 Solid State Relays 1A, 270 Vca , 270 VA, N.O. for E/V, E/Pump and Signal Lights</li> <li>- n. 1 host communication line, 3 cables current loop, Logitron Protocol</li> <li>- Temperature compensation for LPG version</li> </ul> <p><b>Options:</b></p> <ul style="list-style-type: none"> <li>- Own coding host communicating board</li> </ul> <p><b>Accessories:</b></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 60%;">- Pre-setting keypad</td> <td style="width: 40%;">TW1-TEX</td> </tr> <tr> <td>- Pulser Eltomatic 01-09; pulse/turn to define; 1,5 m cable</td> <td>TW1-E0109</td> </tr> </table>	- Power supply – CPU board	TW1nA-B-CPU	- DISPLAY board with totalizer and LED back-light (230 Vca)	TW1-DVT-L	- SETUP board	TW1-STP	- Flat cable 3 connections	TW1-FL1	- Pre-setting keypad	TW1-TEX	- Pulser Eltomatic 01-09; pulse/turn to define; 1,5 m cable	TW1-E0109	<div style="font-size: 2em;">}</div> page 16  <div style="font-size: 2em;">}</div> page 18          <div style="font-size: 2em;">}</div> page 17		
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- Pulser Eltomatic 01-09; pulse/turn to define; 1,5 m cable	TW1-E0109															

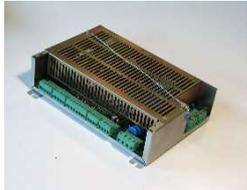
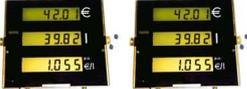
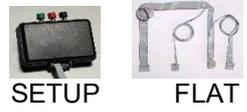
**LIQUID FUEL  
(PETROL - LPG – LNG Single Channel - etc.)  
ATEX Version Ex nA IIC T4 X**

<p><b>TW1nA-B-CB-L</b> <b>Two sided computing head</b></p>  <p>Power supply –CPU board</p>  <p>DISPLAY boards</p>  <p>SETUP      FLAT</p>	<p><b>COMPUTING HEAD KIT: Two-sided</b></p> <p><b>TW1nA-B-CB</b> Composed of:</p> <ul style="list-style-type: none"> <li>- Power supply – CPU board <span style="float: right;">TW1nA-B-CPU</span></li> <li>- DISPLAY board with totalizer and LED back-light (230 Vca) <span style="float: right;">TW1-DCT-L</span></li> <li>- DISPLAY board with LED back-light (230 Vca) <span style="float: right;">TW1-DCN-L</span></li> <li>- SETUP board <span style="float: right;">TW1-STP</span></li> <li>- Flat cable 4 connections <span style="float: right;">TW1-FL2</span></li> </ul> <p><b>Technical specifications:</b></p> <ul style="list-style-type: none"> <li>- Power supply 230 Vca</li> <li>- Passivated steel cabinets</li> <li>- n. 4 Solid State Relays 1A, 270 Vca , 270 VA, N.O. for E/V, E/Pump and Signal Lights</li> <li>- n. 1 host communication line, 3 cables current loop, Logitron Protocol</li> <li>- Temperature compensation for LPG version</li> </ul> <p><b>Options:</b></p> <ul style="list-style-type: none"> <li>- Own coding host communicating board</li> </ul> <p><b>Accessories:</b></p> <ul style="list-style-type: none"> <li>- Pre-setting keypad <span style="float: right;">TW1-TEX</span></li> <li>- Pulser Eltomatic 01-09; pulse/turn to define; 1,5 m cable <span style="float: right;">TW1-E0109</span></li> </ul>	<p>} page 16</p> <p>} page 18</p> <p>on demand</p> <p>} page 17</p>
<p><b>TW1nA-B-CM-L</b> <b>One-sided computing head</b></p>  <p>Power supply-CPU board</p>  <p>DISPLAY board</p>  <p>SETUP      FLAT</p>	<p><b>COMPUTING HEAD KIT: One-sided</b></p> <p><b>TW1nA-B-CM</b> Composed of:</p> <ul style="list-style-type: none"> <li>- Power supply – CPU board <span style="float: right;">TW1nA-B-CPU</span></li> <li>- DISPLAY board with totalizer and LED back-light (230 Vca) <span style="float: right;">TW1-DCT-L</span></li> <li>- SETUP board <span style="float: right;">TW1-STP</span></li> <li>- Flat cable 3 connections <span style="float: right;">TW1-FL1</span></li> </ul> <p><b>Technical specifications:</b></p> <ul style="list-style-type: none"> <li>- Power supply 230 Vca</li> <li>- Passivated steel cabinets</li> <li>- n. 4 Solid State Relays 1A, 270 Vca , 270 VA, N.O. for E/V, E/Pump and Signal Lights</li> <li>- n. 1 host communication line, 3 cables current loop, Logitron Protocol</li> <li>- Temperature compensation for LPG version</li> </ul> <p><b>Options:</b></p> <ul style="list-style-type: none"> <li>- Own coding host communicating board</li> </ul> <p><b>Accessories:</b></p> <ul style="list-style-type: none"> <li>- Pre-setting keypad <span style="float: right;">TW1-TEX</span></li> <li>- Pulser Eltomatic 01-09; pulse/turn to define; 1,5 m cable <span style="float: right;">TW1-E0109</span></li> </ul>	<p>} page 16</p> <p>} page 18</p> <p>on demand</p> <p>} page 17</p>

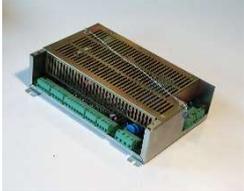
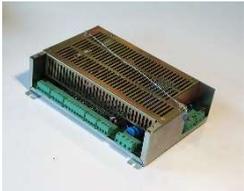
**LIQUID FUEL**  
**(PETROL - LPG – LNG Single Channel - etc.)**  
**MULTIPRODUCTS ATEX Version Ex nA nC IIC T4 X**

<p style="text-align: center;"><b>TW1.4nA-B-CM-L</b> Computing head</p>  <p style="text-align: center;">Power supply –CPU board</p>  <p style="text-align: center;">DISPLAY board</p>  <p style="text-align: center;">SETUP</p>	<p><b>MULTIPRODUCTS COMPUTING HEAD KIT:</b></p> <p><b>TW1.4nA-B-CM</b> for: 4 products (4 nozzles) single side          Composed of:</p> <ul style="list-style-type: none"> <li>- Power supply – CPU board TW1.4nA-B-CPU</li> <li>- Master DISPLAY board without totalizer with LED back-light (230 Vca) TW1-DMN-L</li> <li>- SETUP board TW1-STP</li> </ul> <p><b>Technical specifications:</b></p> <ul style="list-style-type: none"> <li>- Power supply 230 Vca</li> <li>- Passivated steel cabinets</li> <li>- n. 2x4 Relays 3A, 270 Vca, 810 VA, N.O. used as multiplexer, without load, for E/Valves and E/Pumps</li> <li>- n. 2 Solid State Relays 1A, 270 Vca , 270 VA, N.O. in order to drive E/Valves and E/Pumps</li> <li>- n. 2 Solid State Relays 1A, 270 Vca , 270 VA, N.O. in order to drive signal lights</li> <li>- n. 1 host communication line, 3 cables current loop, Logitron Protocol</li> <li>- n. 1 Temperature compensation provided for LPG product only</li> </ul> <p><b>Options:</b></p> <ul style="list-style-type: none"> <li>- Own coding host communicating board</li> </ul>	<p style="text-align: right;">} page 16</p> <p style="text-align: right;">} page 18</p> <p style="text-align: right;">} on demand</p>
<p>a) </p> <p>b) </p> <p>d) </p> <p>e)  f) </p> <p>g)  ...l)  ...etc</p>	<p><b>Accessories:</b></p> <ul style="list-style-type: none"> <li>a) Pulser Eltomatic 01-09; pulse/turn to define; 1,5 m cable TW1-E0109</li> <li>b) Pre-setting keypad Extended with interface TW1-TEX</li> <li>d)- Slave DISPLAY board without totalizer with LED back-light (230 Vca) TW1-DCN-L              OR - Slave DISPLAY board without totalizer and without back-light TW1-DCN</li> <li>e) 4 Unit Price Display with back-light card TW1-DPU-L</li> <li>f) 4 Electromechanical Totalizer card only with present TW1-DPU-L TW1-MTE</li> <li>g) Flat cable 2 connections for DPU-L/MTE TW1-FL9</li> <li>h) Flat cable 3 connections TW1-FL1</li> <li>i) Flat cable 4 connections TW1-FL2</li> <li>l) Flat cable 5 connections TW1-FL3</li> <li>m) Flat cable 6 connections TW1-FL4</li> <li>n) Flat cable 7 connections TW1-FL5</li> </ul>	<p style="text-align: right;">} page 17</p> <p style="text-align: right;">} page 16</p> <p style="text-align: right;">} page 18</p>

**GASEOUS FUEL  
CNG  
COMPUTING ATEX Version Ex nA IIC T4 X**

<p><b>TW1nA-M-CB-L</b> <b>Two-sided computing head</b></p>  <p>Power supply –CPU board</p>  <p>DISPLAY boards</p>  <p>SETUP      FLAT</p>	<p><b>COMPUTING HEAD KIT : Two-sided</b></p> <p><b>TW1nA-M-CB</b> Composed of:</p> <ul style="list-style-type: none"> <li>- Power supply – CPU board TW1nA-M-CPU</li> <li>- DISPLAY board with totalizer and LED back-light (230 Vca) TW1-DCT-L</li> <li>- DISPLAY board with LED back-light (230 Vca) TW1-DCN-L</li> <li>- SETUP board TW1-STP</li> <li>- Flat cable 4 connections TW1-FL2</li> </ul> <p><b>Technical specifications:</b></p> <ul style="list-style-type: none"> <li>- Power supply 230 Vca</li> <li>- Passivated steel cabinets</li> <li>- n. 3+2 Solid State Relays 1A, 270 Vca , 270 VA, N.O. for E/V and Signal Lights</li> <li>- n. 1 host communicating line, 3 cables current loop, Logitron Protocol</li> <li>- entrance signal from: Rheonik, Micromotion, Endress Hauser (10gr/imp) or from MODBUS (Krohne, Micromotion, Endress Hauser)</li> <li>- Temperature compensation</li> <li>- <b>Ready for Self-Service Operation</b> (Ministerial Decree 11/09/2008)</li> </ul> <p><b>Options:</b></p> <ul style="list-style-type: none"> <li>- Own coding host communicating board</li> </ul> <p><b>Accessories:</b></p> <ul style="list-style-type: none"> <li>- Pre-setting keypad TW1-TEX</li> </ul>	<p>} page 16</p> <p>} page 18</p> <p>on demand</p> <p>page 17</p>
<p><b>TW1nA-M-CM-L</b> <b>One-sided computing head</b></p>  <p>Power supply-CPU board</p>  <p>DISPLAY board</p>  <p>SETUP      FLAT</p>	<p><b>COMPUTING HEAD KIT: One-sided</b></p> <p><b>TW1nA-M-CM</b> Composed of:</p> <ul style="list-style-type: none"> <li>- Power supply – CPU board TW1nA-M-CPU</li> <li>- DISPLAY board with totalizer and LED back-light (230 Vca) TW1-DCT-L</li> <li>- SETUP board TW1-STP</li> <li>- Flat cable 3 connections TW1-FL1</li> </ul> <p><b>Technical specifications:</b></p> <ul style="list-style-type: none"> <li>- Power supply 230 Vca</li> <li>- Passivated steel cabinets</li> <li>- n. 3+2 Solid State Relays 1A, 270 Vca , 270 VA, N.O. for E/V and Signal Lights</li> <li>- n. 1 host communicating line, 3 cables current loop, Logitron Protocol</li> <li>- entrance signal from: Rheonik, Micromotion, Endress Hauser (10gr/imp) or from MODBUS (Krohne, Micromotion, Endress Hauser)</li> <li>- Temperature compensation</li> <li>- <b>Ready for Self-Service Operation</b> (Ministerial Decree 11/09/2008)</li> </ul> <p><b>Options:</b></p> <ul style="list-style-type: none"> <li>- Own coding host communicating board</li> </ul> <p><b>Accessories:</b></p> <ul style="list-style-type: none"> <li>- Pre-setting keypad TW1-TEX</li> </ul>	<p>} page 16</p> <p>} page 18</p> <p>on demand</p> <p>page 17</p>

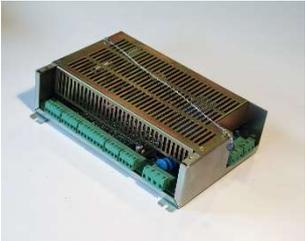
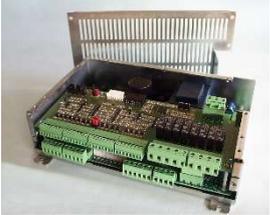
**LIQUID FUEL  
LNG Double Channel with Recovery  
COMPUTING ATEX Version Ex nA IIC T4 X**

<p><b>TW1nA-B.M-CB-L</b> Two-sided computing head</p>  <p>Power supply –CPU board</p>  <p>DISPLAY boards</p>  <p>SETUP</p>  <p>FLAT</p>	<p><b>COMPUTING HEAD KIT : Two-sided</b></p> <p><b>TW1nA-B.M-CB</b> Composed of:</p> <ul style="list-style-type: none"> <li>- Power supply – CPU board <span style="float: right;">TW1nA-B.M-CPU</span></li> <li>- DISPLAY board (without electromechanical totalizer) with LED back-light (230 Vca) <span style="float: right;">TW1-DMN-L</span></li> <li>- DISPLAY board with LED back-light (230 Vca) <span style="float: right;">TW1-DCN-L</span></li> <li>- SETUP board <span style="float: right;">TW1-STP</span></li> <li>- Flat cable 5 connections <span style="float: right;">TW1-FL3</span></li> </ul> <p><b>Technical specifications:</b></p> <ul style="list-style-type: none"> <li>- Power supply 230 Vca</li> <li>- Passivated steel cabinets</li> <li>- n. 3+2 Solid State Relays 1A, 270 Vca , 270 VA, N.O.for E/V and Signal Lights</li> <li>- n. 1 host communicating line, 3 cables current loop, Logitron Protocol</li> <li>- <u>dual entrance signal</u> from: Rheonik, Micromotion, Endress Hauser (10gr/imp) or from MODBUS (Krohne, Micromotion, Endress Hauser)</li> <li>- <u>auxiliary channel counting for recovery</u> (for pressure &amp; temperature reduction)</li> <li>- Temperature compensation</li> </ul> <p><b>Options:</b></p> <ul style="list-style-type: none"> <li>- Own coding host communicating board</li> </ul> <p><b>Accessories:</b></p> <ul style="list-style-type: none"> <li>- Pre-setting keypad <span style="float: right;">TW1-TEX</span></li> </ul>	<p>} page 16</p> <p>} page 18</p> <p>on demand</p> <p>page 17</p>
<p><b>TW1nA-B.M-CM-L</b> One-sided computing head</p>  <p>Power supply-CPU board</p>  <p>DISPLAY board</p>  <p>SETUP</p>  <p>FLAT</p>	<p><b>COMPUTING HEAD KIT: One-sided</b></p> <p><b>TW1nA-B.M-CM</b> Composed of:</p> <ul style="list-style-type: none"> <li>- Power supply – CPU board <span style="float: right;">TW1nA-B.M-CPU</span></li> <li>- DISPLAY board (without electromechanical totalizer) with LED back-light (230 Vca) <span style="float: right;">TW1-DMN-L</span></li> <li>- SETUP board <span style="float: right;">TW1-STP</span></li> <li>- Flat cable 3 connections <span style="float: right;">TW1-FL2</span></li> </ul> <p><b>Technical specifications:</b></p> <ul style="list-style-type: none"> <li>- Power supply 230 Vca</li> <li>- Passivated steel cabinets</li> <li>- n. 3+2 Solid State Relays 1A, 270 Vca , 270 VA, N.O. for E/V and Signal Lights</li> <li>- n. 1 host communicating line, 3 cables current loop, Logitron Protocol</li> <li>- entrance signal from: Rheonik, Micromotion, Endress Hauser (10gr/imp) or from MODBUS (Krohne, Micromotion, Endress Hauser)</li> <li>- <u>dual entrance signal</u> from: Rheonik, Micromotion, Endress Hauser (10gr/imp) or from MODBUS (Krohne, Micromotion, Endress Hauser)</li> <li>- <u>auxiliary channel counting for recovery</u> (for pressure &amp; temperature reduction)</li> <li>- Temperature compensation</li> </ul> <p><b>Options:</b></p> <ul style="list-style-type: none"> <li>- Own coding host communicating board</li> </ul> <p><b>Accessories:</b></p> <ul style="list-style-type: none"> <li>- Pre-setting keypad <span style="float: right;">TW1-TEX</span></li> </ul>	<p>} page 16</p> <p>} page 18</p> <p>on demand</p> <p>page 17</p>

## PRICES: COMPACT VOLUMETRIC HEAD TEW1

	<p><b>COMPACT COMPUTING HEAD KIT</b></p> <p>PETROL - LPG - LNG Single Channel - COMPUTING HEAD</p> <ul style="list-style-type: none"> <li>- Compact Volumetric Head with n° 2 Glands for cables <span style="float: right;">TEW1-VM-M</span></li> <li>- Flat cable round with 1 gland and 2 connectors: <span style="float: right;">TEW1-FL1</span></li> <li>- Shielded Flat cable round with 2 glands, 2 connectors and 1 terminal for shield connection to Ground: <span style="float: right;">TEW1-FL3</span></li> <li>- DISPLAY board (TW1-DVN) with Back-lighting (TW1-RVL) and flat cable with gland for TEW1-VM: <span style="float: right;">TW1-DVN-LC</span></li> </ul>	<p><b>324,00 €</b></p> <p><b>42,50 €</b></p> <p><b>72,00 €</b></p> <p><b>197,00 €</b></p>
		
		
		
	<p>Accessories:</p> <ul style="list-style-type: none"> <li>- Pulsar Eltomatic 01-09; pulse/turn to define; 1,5 m cable <span style="float: right;">TW1-E0109</span></li> </ul>	<p>On demand</p>
<p><b>Minimum order: n°5 pieces for each code and even not less than 500,00 € net.</b></p>		

## PRICES: PARTS FOR COMPUTING HEADS TW1

One Product							
	<b>PETROL - LPG - LNG Single Channel - COMPUTING HEAD:</b>						
	- Power supply-CPU board::						
	<table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">Standard</td> <td style="width: 40%;">TW1-B-CPU</td> <td style="width: 30%; text-align: right;"><b>359,00 €</b></td> </tr> <tr> <td>ATEX EX nA IIC T4 X</td> <td>TW1nA-B-CPU</td> <td style="text-align: right;"><b>525,00 €</b></td> </tr> </table>	Standard	TW1-B-CPU	<b>359,00 €</b>	ATEX EX nA IIC T4 X	TW1nA-B-CPU	<b>525,00 €</b>
Standard	TW1-B-CPU	<b>359,00 €</b>					
ATEX EX nA IIC T4 X	TW1nA-B-CPU	<b>525,00 €</b>					
<b>CNG (METHANE) COMPUTING HEAD:</b>							
- Power supply-CPU board:							
<table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">Standard</td> <td style="width: 40%;">TW1-M-CPU</td> <td style="width: 30%; text-align: right;"><b>391,00 €</b></td> </tr> <tr> <td>ATEX EX nA IIC T4 X</td> <td>TW1nA-M-CPU</td> <td style="text-align: right;"><b>552,00 €</b></td> </tr> </table>	Standard	TW1-M-CPU	<b>391,00 €</b>	ATEX EX nA IIC T4 X	TW1nA-M-CPU	<b>552,00 €</b>	
Standard	TW1-M-CPU	<b>391,00 €</b>					
ATEX EX nA IIC T4 X	TW1nA-M-CPU	<b>552,00 €</b>					
<b>LNG Double Channel with Recovery - COMPUTING HEAD:</b>							
- Power supply-CPU board:							
<table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">Standard</td> <td style="width: 40%;">TW1-B.M-CPU</td> <td style="width: 30%; text-align: right;"><b>444,00 €</b></td> </tr> <tr> <td>ATEX EX nA IIC T4 X</td> <td>TW1nA-B.M-CPU</td> <td style="text-align: right;"><b>609,00 €</b></td> </tr> </table>	Standard	TW1-B.M-CPU	<b>444,00 €</b>	ATEX EX nA IIC T4 X	TW1nA-B.M-CPU	<b>609,00 €</b>	
Standard	TW1-B.M-CPU	<b>444,00 €</b>					
ATEX EX nA IIC T4 X	TW1nA-B.M-CPU	<b>609,00 €</b>					
<b>4 Products</b>							
	<b>PETROL- LPG - LNG Single Channel - COMPUTING HEAD:</b>						
	4 products (4 channels) on the same side:						
- Power supply -CPU board:							
<table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">Standard</td> <td style="width: 40%;">TW1.4-B-CPU</td> <td style="width: 30%; text-align: right;"><b>656,00 €</b></td> </tr> <tr> <td>ATEX EX nA nC IIC T4 X</td> <td>TW1.4nA-B-CPU</td> <td style="text-align: right;"><b>825,00 €</b></td> </tr> </table>	Standard	TW1.4-B-CPU	<b>656,00 €</b>	ATEX EX nA nC IIC T4 X	TW1.4nA-B-CPU	<b>825,00 €</b>	
Standard	TW1.4-B-CPU	<b>656,00 €</b>					
ATEX EX nA nC IIC T4 X	TW1.4nA-B-CPU	<b>825,00 €</b>					
          	- Master DISPLAY board						
	with totalizer: NO back-light:	TW1-DCT	<b>315,00 €</b>				
	WITH LED back-light:	TW1-DCT-L	<b>422,00 €</b>				
	without totalizer: NO back-light:	TW1-DMN	<b>270,00 €</b>				
	WITH LED back-light:	TW1-DMN-L	<b>378,00 €</b>				
	- Slave DISPLAY board without totalizer						
	NO back-light:	TW1-DCN	<b>270,00 €</b>				
	WITH LED back-light:	TW1-DCN-L	<b>378,00 €</b>				
	- DISPLAY board with totalizer						
	NO back-light:	TW1-DVT	<b>154,00 €</b>				
WITH LED back-light:	TW1-DVT-L	<b>200,00 €</b>					
- DISPLAY board without totalizer							
NO back-light:	TW1-DVN	<b>109,00 €</b>					
WITH LED back-light:	TW1-DVN-L	<b>155,00 €</b>					
<b>Minimum order: n°5 pieces for each code and even not less than 500,00 € net.</b>							

## PRICES: ACCESSORIES FOR COMPUTING HEADS

<u>ACCESSORIES:</u>		
	<p>- <b>Pre-setting KEYPAD (Extended Full) TW1-TEF-(*)</b> With interface TW1-IKT With Frame</p>	<p><b>329,00 €</b></p>
	<p>- <b>Pre-setting KEYPAD (Extended) TW1-TEX-(*)</b> With interface TW1-IKT Without Frame</p>	<p><b>239,00 €</b></p>
	<p>- <b>Only Pre-setting KEYPAD (Extended) TW1-TPE-(*)</b> Without interface and Frame</p>	<p><b>153,00 €</b></p>
<p>(*): €; A=Sloty; B=Dinaro Algeria; C=Peso Argentina; D=Dirham Marocco</p>		
	<p>- <b>Frame for TW1-TEX o TW1-TPE TW1-CPE</b></p>	<p><b>90,50 €</b></p>
	<p>- <b>Interface for TW1-TEX (Spare part) TW1-IKT</b></p>	<p><b>86,00 €</b></p>
	<p>- <b>Pulser Eltomatic 01-09; TW1-E0109</b> pulse/ turn to define (up to 125 pulse/turn); 1,5 m cable</p>	<p><b>On demand</b></p>
	<p>- <b>CNG Self-Service Control Interface TW1-ISS</b></p>	<p><b>84,50 €</b></p>
<p><b>Repeater Module of Alarm State Signal</b></p>		
	<p>- <b>Module Relay 3A 270 Vca 810 VA TW1-MRE</b></p>	<p><b>39,50 €</b></p>
	<p>- <b>Module Relay Solid State 1A 270 Vcc-ca TW1nA-MRS</b></p>	<p><b>55,50 €</b></p>

**Minimum order: n°5 pieces for each code and even not less than 500,00 € net.**

## PRICES: PARTS FOR COMPUTING HEADS

   	<ul style="list-style-type: none"> <li>- 4 Unit Price Display with back-light card: TW1-DPU-L <span style="float: right;"><b>274,00 €</b></span></li> <li>- 4 Electromechanical Totalizer card: TW1-MTE <span style="float: right;"><b>229,00 €</b></span></li> <li>- SETUP board: TW1-STP <span style="float: right;"><b>66,00 €</b></span></li> <li>- Totalizer for DISPLAY board: TW1-TOT <span style="float: right;"><b>74,50 €</b></span></li> </ul>	
 Ex: TW1-FL3	<ul style="list-style-type: none"> <li>- Flat cable 3 connections: TW1-FL1 <span style="float: right;"><b>37,50 €</b></span></li> <li>- Flat cable 4 connections: TW1-FL2 <span style="float: right;"><b>39,50 €</b></span></li> <li>- Flat cable 5 connections: TW1-FL3 <span style="float: right;"><b>42,50 €</b></span></li> <li>- Flat cable 6 connections: TW1-FL4 <span style="float: right;"><b>47,00 €</b></span></li> <li>- Flat cable 7 connections: TW1-FL5 <span style="float: right;"><b>49,00 €</b></span></li> <li>- Flat cable 2 connections for TW1-DPU-L and TW1-MTE: TW1-FL9 <span style="float: right;"><b>37,50 €</b></span></li> </ul>	
<b>Minimum order: n°5 pieces for each code and even not less than 500,00 € net.</b>		

## HOW TO ORDER

**Computing head TW1 or ATEX Version nA**

TW1(nA)	-		-		-	
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To add:

Kind of FUEL

- Liquid:

Petrol – LPG – LNG Single Channel (**B**)

LNG Double Channel (**B.M**)

- Gas:

CNG (Methane) (**M**)

Kind of computing head: Counter (**C**); Volumetric(**V**)

- Display: Two-sided (**B**); One-sided (**M**)

- Back-lighting: with Led (**L**);

**B**

**B.M**

**M**

**C, V**

**B, M**

**L**


**Accessories:**

- See codes pages : 15 ÷ 18

**Computing head TW1.4 or ATEX Version nA**

TW1.4(nA)	-	B	-	C		-	
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To add:

- Liquid fuel: Petrol – LPG – LNG Single Channel (**B**)

- Kind of computing head: Counter (**C**)

- Display: One-sided (**M**); Two-sided (**B**)

- Back-lighting: with Led (**L**)

**B**

**C**

**M,B**

**L**


**Accessories:**

- See codes pages : 7,12,15 ÷ 18

**Computing head TEW1-VM**

T	E	W	1	-	V	M	-	
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To add:

- One-sided (**M**); Two-sided (**B or B2**)

**M, B, B2**


**Accessories:**

- Pulsar Eltomatic 01-09: See codes pages : 15

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## SALES CONDITIONS

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- ORDERS:** The conditions and the prices regarding all the products in this price list will be always written in our **Order Confirmation** which will be sent to the customer. This Confirmation of the order must be carefully controlled, signed for acceptance and returned to us, to let us carry out the order as described. We can't accept any claim after the accept of the Order Confirmation. If the customer doesn't send back the signed copy of the Confirmation, we will consider valid what was written in our Order Confirmation sent to the customer. Any communication regarding fiscal data of the customer must be sent as soon as possible. Any delay or problem coming from absence or wrong communication of fiscal data will be on customer charge.
- RESPONSIBILITY:** **At the moment of the order the customer shoulders the responsibility of knowing laws and rules for the application and the working of the equipment requested.**
- DELIVERY:** EX OUR WORKS – Transport is on customer total charge, also in particular cases of free port. Products are not covered by any insurance. Insurance for transport risks: on demand. The customer must verify the quantity and the conditions of the goods when they are delivered by the carrier; in case of irregularity the customer must make good his rights directly on the carrier. If the customer doesn't indicate any carrier, EsiWelma will chose it.
- PACKING:** Free for all the standard packing – For particular packing on demand, it will be valued at the moment of the offer.
- PRICES AND V.A.T.:** All prices stated are without V.A.T. and can be changed without any communication.
- MINIMUM ORDER:** 500,00 € net
- PAYMENT:** The payment must be done at the moment of the delivery if there isn't a different agreement. Interests of 3% above the prevailing official discount rate will be charged for late payment.
- DELIVERY TERMS:** The delivery date is specified on the Order Confirmation and it is significant for the departure of the goods from our works.
- GUARANTEE:** We offer one-year guarantee from the date of departure indicated on our delivery note. The guarantee is ex our works. Guarantee refers to EsiWelma products and not to all appliances and plants. EsiWelma keeps the right to decide in order to presence and failure reasons.
- CLAIMS AND RETURNS:** We don't accept any claims after 10 days from goods delivery. We don't accept any returns if not previously authorized by EsiWelma. Return products must be sent free our works and must state all supply references and failure report.
- ORDER CANCELLATION:** EsiWelma keeps the right not to carry out or to cancel all order or part of it in case of customer insolvency according to Art. 1461 Codice Civile.
- GOVERNING LAW:** Relationships shall be construed in accordance with and be governed by the laws of Italy.
- COMPETENT COURT:** Genova (ITALY) Forum.

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**EsiWelma<sup>®</sup> s.r.l.**

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