PONY FLOW 5 FUNCTIONS RAPID GUIDE

IGNITION: press any of the keys (M), (C), (+) or (-): for an instant; you enter the Reading Menu automatically.

EXTINCTION: this function can be set as parameter in the Setting Menu, or closing the door

PARTIAL ZERO SETTING: In the Reading Menu, press the red key 🔾 4 times

SETTING MENU: you enter the Setting Menu to verify and eventually modify the following

· PAGE 1: Language - Pulses per Liter - Unit Measure - Highlight. · PAGE 2: Lighting time - Brightness - Extinction Time - Decimals.

Press the key (1) in the Reading Menu to enter page 1.
Use the key (1) and (2) to change parameters.
Use the key (2) to run through the messages.

Press the key (1) to move from page 1 to page 2.
Use the keys (1) and (2) to change parameters.
Use the key (1) to run through the messages.

Press the key ${\color{red} \begin{tabular}{l} \end{tabular}}$ to enter page 2 in the Reading Menu.

PROBLEMS, CAUSES AND CORRECTIVE

PROBLEM ENCOUNTERED	POSSIBLE CAUSE	POSSIBLE CORRECTIVE
The instrument will not turn on	The battery is completely exhausted	Replace the battery
	Power supply stopped	Check cables and connector between the battery and the electronic card
The instrument will not indicate the flow rate	Defective flowmeter sensor	Replace the sensor
	Pony Flow is not perfectly screwed onto the flowmeter	Properly screw the instrument onto the flowmeter
	Flowmeter impeller blocked	Flowmeter maintenance
The instrument will indicate a wrong flow rate	Impulses/liter value set is not correct	See chapter: "exact calculation of impulses per liter"
	Flowmeter impeller slow	Flowmeter maintenance
Will appear the battery symbol	The battery is low	Replace the battery

INSTRUCTION MANUAL

PONY FLOW 5

ENGLISH

PLEASE, CAREFULLY READ THIS INSTRUCTION MANUAL BEFORE USING THE INSTRUMENT AND KEEP IT FOR FUTURE REFERENCE.

GUARANTEE

GUARANTEE
Our products are guaranteed for 12 months from the delivery date. Our guarantee covers all parts that are materially defective or that have manufacturing defects.
The guarantee will be considered void in the case of insufficient maintenance and improper use.
The guarantee does not cover any parts not manufactured by our company. Repair must be made at our factory or by personnel who we have authorized.
For all service the products must be sense by freight prepaid. The labor expenses are not included in the guarantee. Whenever you request a repair or replacement under warrang, always inform us of the instrument's serial number which is located on the adhesive label.

VERSIONS

Compact with Short Nail for Standard and Turbo Flow Flowmeters (cod. 00379016) 9V battery operated with a short sinusoidal wave sensor with short nail.

(Fitting all Polmac flowmeters except Mini flowmeters and those paired to 'Compact with projecting nail').

- · Compact with Projecting Nail for Standard Flowmeters (cod. 0037901C) 9V battery operated with a short sinusoidal wave sensor with projecting nail. (Fitting flowmeters ½° 3° 4° with Nylon body and ½° ¾° with stainless steel body).
- · Compact for Rapid Check Flowmeters (cod. RC379016) 9V battery operated with square wave
- · Remote (cod. RE379016) 9V battery operated with remote square wave sensor (60 cm. cable).

USE
Compact: installed directly on the flowmeter.
Remote: remote connection with a turbine flowmeter with sinusoidal wave sensor.
Flow measurements of quantities of liquids obtained with the Pony Flow 5 cannot be used to determine amounts or ial values for sale.

POWER SUPPLY

POWER SUPPLY
9 Volt battery (MN1604 61R61).
Use only the type of battery indicated.
Do not throw dead batteries out in the environment but
dispose inside special containers. Dead batteries do not
have to be charged again.

INSTALLATION

Protected from the elements, from prolonged exposure to sunlight, and from mechanical vibrations.

IMPORTANT: high pressure washing of the exterior of this equipment could cause irreversible water damage to the electronic component. To prevent only damage, remove electronic component. To prevent only damage, remove the display when washing the equipment's exterior. The manufacture declines all responsibilities for damage to the display that is the result of operator negligence.

ASSEMBLY
Pony Flow 5 must be screwed on the body of the turbine
flowmeter till the bottom, without forcing. Once the
operation is done, the instrument can be 270° turned till
achievement of the wished position and its lower part can acrievement of the wished position and its lower part can be fixed by means of the two screws situated in proximity to the sensor

GENERAL FEATURES

- GENERAL FEATURES

 a) The instrument is turned on by the pressure of any keys or by the passage of flow;
 b) The display will turn off against closure of the door or automatically, once the time set in the Setting Menu under "Extinction Time" is passed.

 c) Back lighting of the display, activated only under no light, turn off automatically when the door is closed or automatically, once the time set in the Setting Menu under "Lighting Time" is passed.

 If the maximum value (600) is set on "Lighting Time" and there is flow, back lighting stay always acrove.

 Multifunction Display, with visualization at the same time of partial units (FLOW), total resettable units (PARTIAL) and total non resettable units (TOTAL).

 b) Its capacity of counting total resettable units (PARTIAL) is 4.294.967 it, or 4.294,9 chm/h or 1.134,734 USA agillons. Once the limit is reached, calculation starts again from zero "0".

 f) Its capacity of counting total non resettable units (TOTAL) is 4.294.967 it, or 4.294,9 chm/h, or 1.134.734 USA gallons. Once the limit is reached, calculation starts again from zero "0".

- (TOTAL) is 4.294.96 ft., or 4.294,9 chml, or 1.134.7 USA gallons. Once the limit is reached, calculation sta again from zero "0".

 9) Possibility of setting up to 6.553.5 pulses per liter. h) Reading Menu and Setting Menu.

 1) Set Impositions are always stored.

 1) Uniter calculation is also allowed with the protection do:

- closed.

 k) Possibility of setting the reading of units with or without decimals (max. 2 decimals).

 l) In the Setting Menu (2 pages) the following values can be selected:

- Language Pulses per liter (always set pulses per liter value, also while reading cbm/h or gallons/minute, conversion will be done automatically by the instrument) Unit Measure

- - q) Current input while in function with 10 lighting
 - parameter is 13 mA
 r) When the battery is exhausting a symbol of battery alarm appears on the display, on the upper right side.
 s) It accepts a decimal number to set pulses/liter.

- FUNCTIONING OF THE KEYS
 Green key (1)
 a) It can be pressed to turn on the instrument, as any other
- key.

 b) If pressed in the Reading Menu allows to enter the Setting Menu.
- Menu.
 c) If pressed in the Setting Menu at Page 1 allows to enter the Setting Menu at Page 2.
 d) If pressed in the Setting Menu at Page 2 allows to come back to the Reading Menu.

Red Key

a) Slipping of parameters at pages 1 and 2 of the Setting

Menu.
b) RESET of total resettable units (PARTIAL).

Blue Key ①
a) Change of parameter, at pages I and 2 of Setting) Change Menu.

Blue Key a) (Change of parameter, at pages I and 2 of Setting Menu.

READING MENU
Messages contained in this paragraph concerns setting
of "liters" as Unit Measure. Once you have turned the
instrument on, hed disply is in the Reading Menu
Reading Menu displays Partial Units "Flow[Vmin]", Total

Units resettable "Partial [1]" and Total Units non-resettable "Total [1]".

You can enter the Setting Menu by pressing the green key

M for a while.

SETTING MENU

It provides 8 parameters on 2 pages: PAGE 1

- PAGE 1

 1) Setting of the language: Italian, English, French, Deutsch, Spanish, Portuguese, Russian, Polish.

 2) Setting of pulses per liter.

 3) Setting of Unit Measure: Liter/min. Cubic meter/H Gallons/min.
- Gallons/min.
 Setting of reading at the centre of the display in the Reading Menu: Partial Units Total Flow.
 PAGE 2
- 5) Setting of Lighting Time (max. 600 seconds).
 6) Setting of Brightness (from 0 to 10).
 7) Setting of Extinction Time (max. 600 seconds).

Setting of number of decimals (0 - 0,0 - 0,00) displayed in the Reading Menu.

OPERATIVE PHASE:

1a) Turn the instrument on;

1b) Press the green key to enter the Setting Menu, page 1;

1c) Select the language wished by pressing the blue keys

and ;

Id) Press the red key to allow direct passage to next

2a) Press the keys 😝 and 🚭 to set pulses per liter; 2b) Press the red key 🔾 to allow direct passage to next

3a) Press the keys 🚯 and 🖨 to select the Unit

Measure; 3b) Press the red key 🚺 to allow direct passage to next

4a) Press the keys 🛟 and 🖨 to select the parameter in the Reading Menu; 4b) Press the green key (to enter the Setting Menu, page 2;

5a) Set the Lighting Time, while turning the instrument on or by pressing any key;
5b) Press the red key O to allow direct passage to next

6a) Set the brightness of the display (selectable value from 0 to 10); a lower value allows battery's stronger

7a) Set the Extinction Time (seconds); calculation is stored and operative while the display is switched off.

7b) Press the red key O to allow direct passage to next

8a) Setting of decimals for values displayed in the Reading Menu (values available: 0 - 1 - 2).

8b) Press the green key (1) to come back to the Reading Menu.

RESETTING THE TOTAL TO ZERO (RESET) To reset the total "Partial [1]" in the Read the red key 4 times consecutively.

The value: "Total [1]" is not resettable.

EXACT CALCULATION OF IMPULSES PER LITER

EARCH CALCULATION OF INFOLISES FER LITE.

Each flowmere is delivered with an identification plate which lists an indication of the number of impulses per liter. This total value can be increased of othersaed depending on the type of application and the use of the flowmere. It is indipensable to always perform a comparison between the displayed total and the amount of liquid that is actually delivered, so at calculate the exact number of impulses to be used to calibrate the instrument.

This comparison must be performed with new flowmeter and periodically thereafter.

Example: the liquid displayed by the instrument is: 55 liters; The amount of liquid that is actually delivered by the instrument is: 57 liters; The instrument is: 57 liters; The set calibration constant "C" is: 650;

analysis of this data shows that it is necessary to more the set calibration constant "C" by means of the follow formula: $650 \times 55 : 57 = 627$

(new value of impulses per liter to set).

- When the displayed value is less than the actual value (delivered), you need to decrease the set value of "impulses per lirer".

 When the displayed value is greater than the actual value (delivered), you need to increase the set value of "impulses per liter".

REMARKS: set value is always liter/minute. The instru does the conversion automatically, should the unit measu different: "cubic meter/hour" o "Gallons per minute".

GENERAL MAINTENANCE RULES

Keep the instruments protected from the elements. Avoid extreme temperature, directs sunlight, and direct contact with vaster, especially while washing the equipment with water under high pressure. In the case of battery-powered instruments immediately replace the batteries or remove them from their

compartment when they are exhausted. Press the keys carefully.

SPECIFICATIONS

SPECIFICATIONS
Dimension of standard version, sensor included (mm.): 120x80×86.
Dimension of Rapid Check version, sensor included (mm.): 120x80×110.
Dimensions of Standard and Rapid Check versions, sexulding the part of sensor screwed on the flowmeter (mm.): 120x80×65.

(mm.): 120×80×65. Weight of standard version (gr.): 320. Weight of Rapid Check version (gr.): 335. Accuracy: ±196. Battery: 9 volt transistor MN 1604 6LR61.

Optimal operating temperature range: from -10° to +70°. Not condensed relevant humidity max. 90° (with no

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TO ORDER SPARE PARTS, SPECIFY THE FOLLOWING: Series number of the display Code number of the part to be replaced

CHANGING THE 9 VOLTS BATTERY

- A) Unscrew the screws (I)
- B) Remove the cover (2)
- C) Remove the battery (4) by unsnapping it from the contacts (3)
- D) Clean the contacts (3) to eventual oxidation E) Replace it with a new battery
- F) Close the Pony Flow with the cover (2) and the screws (1)

