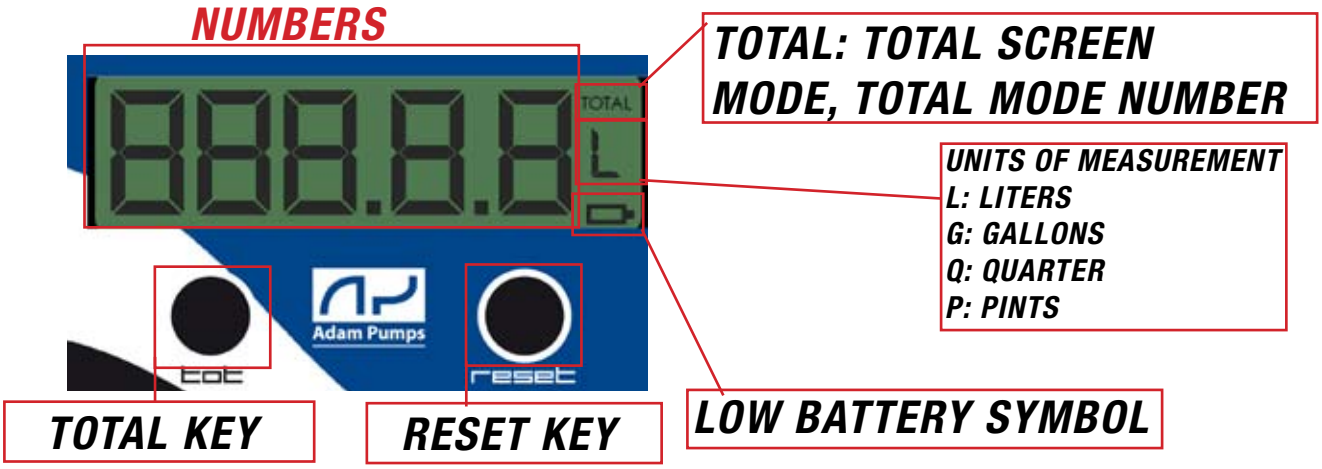
5. METER ADAM BY PIUSI ILG00D Electronic 25mm 10-150lpm Litre Display

5.0 DISPLAY AND BUTTONS



The device turns on automatically when the product flow begins or by pressing the Reset button. The display will turn off automatically if no operation is performed or no signal is detected for 30 consecutive seconds.
There are three primary screens: the Normal Mode screen that contains the instant partial number, the Total Mode screen that contains the total number and Total Mode Number screen that contains the number of times the counter has completed a full cycle equal to 99999 ; there is a secondary screen Calibration Mode necessary to set the calibration parameters of the counter. Switching on the device could find itself in one of the 3 modes, press the Total button to loop between the 3 modes.

NORMAL MODE

fig. 1

Press the RESET button to zero the display and start a new transaction. If quantity is above 999,99, the decimal points moves one position and display shows 1000,0. Decimal will disappear for quantities above 9999

TOTAL MODE

fig. 2

Could be identified with the symbol TOTAL in corner top right and a number ranging between 0 and 256 on the display left side.
This number indicates the number of times the totalizer has reached 99999. This screen cannot be reset unless units of measure are modified (paragraph 5.2)

TOTAL MODE NUMBER

fig. 3

Could be identified with the symbol TOTAL in corner top right. This screen shows all volumes transferred by the device. Once 99999 is reached, system starts from 0 and increments the TOTAL MODE NUMBER. This screen cannot be reset unless units of measure are modified (paragraph 5.2)

NB: To know the total volume transferred, it is necessary to visualize the number on screen TOTAL MODE NUMBER and insert it in front of the number appearing on TOTAL MODE.

Ex: TOTAL MODE NUMBER: 4 TOTAL MODE : 65234 => Total volume = 465234

5.1 PRELIMINARY OPERATIONS

The meter should be set on first operation to choose the unit of measure to be used. Choice is between METRIC SYSTEM (Litres) or IMPERIAL SYSTEM (Gallons, Pints , Quarts) and proceed afterwards on calibration (Paragraph 5.4). The meter is factory settings in Litres; in case a change of units is needed refer to Paragraph 5.2. . For everything related to: technical information, allowed and prohibited use, recycling and disposal, transport and unpacking, installation and operation, maintenance and storage, operational problems, if not specifically defined refer to what is written in previous chapters.

ATTENTION:
1. Modifying the unit of measure implies loosing some data in memory (calibration and totals), for this reason it is recommended to set unit of measure only on first use.
2. When changing unit of measure, it is also mandatory to redo the calibration.
3. Because of timed steps changing automatically, carefully read all the instruction sequence before starting the calibration procedure

5.2 MODIFYING UNIT SYSTEM (litre => Gallons, Pints, Quarts)

1. Press Total button till Total Mode is reached(fig. Z)
2. Press RESET button for 10 seconds. “0” will appear on display’s left side and unit of measure symbol on the right side.
3. Press again RESET button to confirm and go to phase 1.
4. Transfer a very small quantity of liquid to reach minimum 1 pulse on the display.
5. Press RESET button to go to next step (phase 2). ATTENTIONE: temporized phase.
6. Press TOTAL button to get a similar screen as step 2 until you get the unit desired. L = Litres, G = Gallons, P = Pints; Q = Quarts.
7. Confirm by pressing RESET button.
8. Proceed with calibration using procedure explained here under (Paragraph 5.4).

5.3 SELECTION OF IMPERIAL UNIT OF MEASURE

(litre, Gallons, Pints, Quarts)
If the device has been set on imperial units, i twill be possible at any moment to change the units between gallons, pints and quarts:
1. Go to screen TOTAL MODE pressing TOTAL button;
2. Press the TOTAL button till the unit changes to next one following sequence G,Q,P.

5.4 BATTERY CHANGE

The unit has a symbol showing a low battery. In case the symbol appears, you’ll need soon to change the batteries using the illustrated procedure. It is recommended to change batteries starting from switched off display to avoid any data corruption.

CALIBRATION

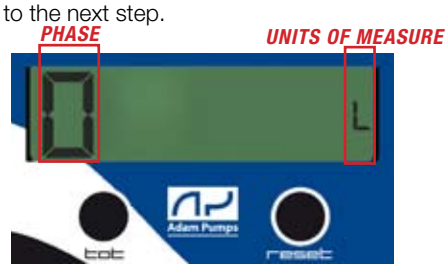
The calibration procedure is necessary: before the first operation, when metering a different fluid, after significant wear or use in different temperatures. For the procedure you will need a measuring gauge, preferably with centesimal scale; it is recommended that the container volume be at least 20 litres (5 gallons).

CAUTION: Because of timed steps changing automatically, carefully read all the instruction sequence before starting the calibration procedure

Enter in the Total Mode screen and press the reset button for 10 seconds to enter into the calibration procedure (the first number on the left indicates the procedure step number):

0. Setting the unit (only at first calibration): press the Total button to proceed within the loop of units of measure; press the Reset button to proceed to the next step.

0.

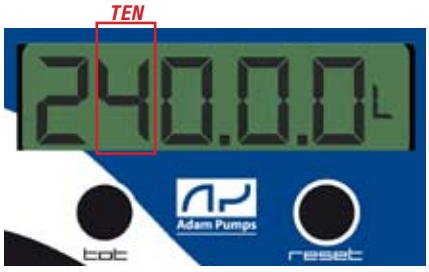


1. Reading the number of pulses: delivering a quantity of liquid inside the graduated container up to maximum of 59.99, the display shows the number of pulses generated during that time in proportion of the quantity of liquid measured by the device; press the Reset button to proceed to the next step.

1.

2. Insert “tens” delivered: enter the number of tens actually delivered, press the Total button to increase by one ten, and press the Reset button to decrease by one ten, do not give any input for 5 seconds to proceed to the next step.

2.



3. Insert “units” delivered: enter the number of units actually delivered, press the Total button to increase by one unit, and press the Reset button decrease by one unit, do not give any input for 5 seconds to move to the next step.

3.

4. Insert “tenths” delivered: enter the number of tenths actually delivered, press the Total button to increase by one tenth, and press the Reset button decrease by one tenth, do not give any input for 5 seconds to move to the next step.

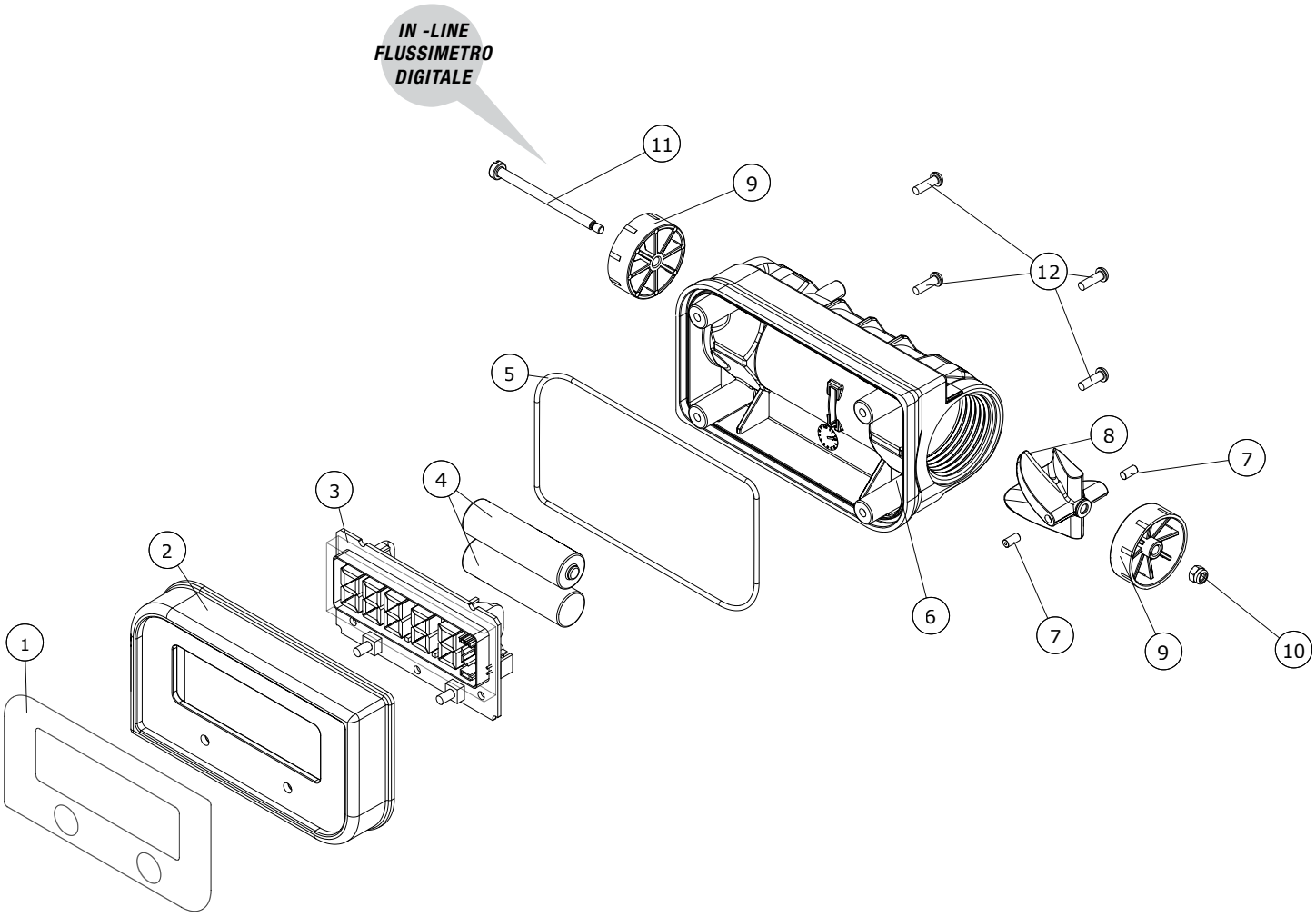
4.

5. Insert “hundredth” delivered: enter the number of hundredths actually delivered, press the Total button to increase by one hundredth, and press the Reset button decrease by one hundredth, do not give any input for 5 seconds to move to the next step.

5.

5.5 TECHNICAL DATA

Storage Temperature	-10 / +60 (°C)
Operating Temperature	0 / +50 (°C)
Storage maximum humidity	95 % RU
Display	LCD
Power supply	Standard Battery AA 1.5V (2x)



DIGITAL FLOW METER: DI - FLOW IN LINE

POS.	DESCRIPTION	REFERENCE	QTY
1	FACEPLATE	MA990	1
2	FRONT COVER	TF035	1
3	ELECTRONIC CARD	TF041	1
4	BATTERY AA	TF033	2
5	O-RING 2400 NBR 70	OR018	1
6	FLOW METER BODY	TF036	1
7	MAGNET Ø3X6	TF040	2
8	TURBINE	TF037	1
9	SUPPORT TURBINE	TF038	2
10	NUT M3 INOX UNI 7473	VT009	1
11	THREADED SHAFT	TF039	1
12	SCREW TC 3X10 BN13577 WN1412	VT010	4