

ENGLISH (Translated from Italian)

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A DECLARATION OF CONFORMITY

The undersigned:
PIUSI S.p.A. Via S. Giovanni n. 2, Rangungio
46029 Suzzara - Mantova - Italy

HERBY SIDERIS
I hereby declare that the equipment described below:
Dispositivo METEER
Serial number: refer to Lot Number shown on CE plate affixed to product/Year of production: refer to the year of production shown on CE plate affixed to the products in conformity with the legal provisions indicated in the directives:
1 - Electromagnetic Compatibility Directive 2004/108/EC

The documentation is at the disposal of the competent authority following indicated refer to PIUSI S.p.A. or following request sent to the email address: doc_tec@piusi.com from an authorized to compile the technical file and send the declaration in CD-ROM as legal representative.

B GENERAL WARNINGS

Important precautions
To insure operation safety and to protect the pump from potential damage, always use the correct installation instructions manual before performing any operation.
The following symbols will be used throughout the manual to highlight safety information and precautions of particular importance.

C SAFETY INSTRUCTIONS

SAFETY WARNINGS
ATTENTION
You must avoid any contact between the electrical power supply and the fluid that needs to be FILTERED.

D PACKAGING

K400 COMES PACKED IN A CARDBOARD BOX WITH A LABEL INDICATING THE FOLLOWING INFORMATION:

E INSTALLATION

FORWARD
To open the packaging, use a pair of scissors or cutter, being careful not to damage the electronic system or its components.

F DAILY USE

FORWARD
The METER features a digital meter featuring an oval-gear measurement system, designed for easy and precise measurement of fluid, direct, open and closed applications.

G CALIBRATION

FORWARD
The METER features a 1/2 inch inlet and outlet, threaded and perpendicular to the flow direction, to be installed in any position, both as fixed in the installation and as movable installation on a dispensing nozzle.

H METER CONFIGURATION

FORWARD
The METER features a meter with which you can select the main measurement unit: Quarts (Qt), Pints (Pt), Liters (L), Gallons (Gal).

I MAINTENANCE

J1 CHANGE BATTERY
The METER has been designed to require a minimum amount of maintenance. The only maintenance jobs required are:

K DISPOSAL

FORWARD
If the system needs to be disposed, the parts which make up must be delivered to companies that specialize in the recycling and disposal of industrial waste and in particular:

L MALFUNCTIONS

Problem
Low or no indication
Not enough measurement
Reduced or zero flow rate
The meter does not count, but the flow rate is correct

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CS PACKAGE CONTENTS/PRE-INSPECTION

NOTE
Check that the data on the plate correspond to the desired specifications. In the event of any anomaly, check the data and, if necessary, indicating the nature of the defects. Do not use equipment which you suspect might not be safe.

D BECOMING ACQUAINTED WITH K400

FORWARD
METER is an electronic digital meter featuring an oval-gear measurement system, designed for easy and precise measurement of fluid, direct, open and closed applications.

F DAILY USE

FORWARD
The only operations that need to be done by daily use are partial and total reset of the register. The user should use only the dispensing system of K400. Occasionally the meter may need to be calibrated or calibrated. To do so, please refer to the relevant chapters.

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The METER features a 1/2 inch inlet and outlet, threaded and perpendicular to the flow direction, to be installed in any position, both as fixed in the installation and as movable installation on a dispensing nozzle.

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G CALIBRATION

FORWARD
METER is supplied with a factory calibration that ensures precise measuring in most operating conditions. Nevertheless, when operating to extreme conditions, such as for instance:
- when measuring to acceptable range extremes (such as low viscosity antifreeze or high viscosity oils for engines) -

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The METER features a meter with which you can select the main measurement unit: Quarts (Qt), Pints (Pt), Liters (L), Gallons (Gal).

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G2.1 IN-FIELD CALIBRATION PROCEDURE

ACTION
NONE
METER in Standby

LONG CAL KEY KEYING
Press and hold the LONG CAL key for 3 seconds. The meter will display 1.000 L. The meter will enter calibration mode, showing 'CAL' and displaying the current calibration factor (CAL FACT.).

DISPENSING INTO SAMPLE CONTAINER
Without pressing any key, start dispensing into the sample container. The meter will display 9.800 L.

SHORT LONG CAL KEY KEYING
The meter will display 9.800 L. The meter will enter calibration mode, showing 'CAL' and displaying the current calibration factor (CAL FACT.).

LONG CAL KEY KEYING
Press and hold the LONG CAL key for 3 seconds. The meter will display 1.000 L. The meter will enter calibration mode, showing 'CAL' and displaying the current calibration factor (CAL FACT.).

SHORT RESET KEY KEYING
Press and hold the SHORT RESET key for 3 seconds. The meter will display 1.000 L. The meter will enter calibration mode, showing 'CAL' and displaying the current calibration factor (CAL FACT.).

LONG RESET KEY KEYING
Press and hold the LONG RESET key for 3 seconds. The meter will display 1.000 L. The meter will enter calibration mode, showing 'CAL' and displaying the current calibration factor (CAL FACT.).

NO OPERATION
After the end of the calibration, the new USER FACTOR (U.F.) will be displayed. The meter will return to normal operation mode.

G2.3 DIRECT MODIFICATION OF K FACTOR
The meter will display 1.000 L. The meter will enter calibration mode, showing 'CAL' and displaying the current calibration factor (CAL FACT.).

ACTION
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METER in Standby

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H METER CONFIGURATION

COMBINATION NO.
1 Unit of Measurement: Liters (L)
2 Unit of Measurement: Pints (Pt)
3 Unit of Measurement: Quarts (Qt)
4 Unit of Measurement: Gallons (Gal)

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K400 ELECTRONIC METER

PIUSI
100% PISTON
K400 ELECTRONIC METER



MANUALE D'USO, MANUTENZIONE E CALIBRAZIONE
USE, MAINTENANCE AND CALIBRATION MANUAL

PIUSI
Bulliten MD253 (ITEM - 00)

M DISPOSAL
If the system needs to be disposed, the parts which make up must be delivered to companies that specialize in the recycling and disposal of industrial waste and in particular:

N TECHNICAL DATA
Measurement system: Oval gears
Resolution (optimal): 0.005 Liters/Quart
Flow Rate: 0.005 Liters/Quart

Accuracy (from 10 to 200 Liters): +/- 0.1%
Accuracy (from 200 to 1000 Liters): +/- 0.05%
Accuracy (from 1000 to 10000 Liters): +/- 0.02%

PIUSI S.p.A.
Suzzara (MN) Italy
Bulliten MD253 (ITEM - 00)