

Portable testing station for special applications

DN 15



Based on the Y290 water meter

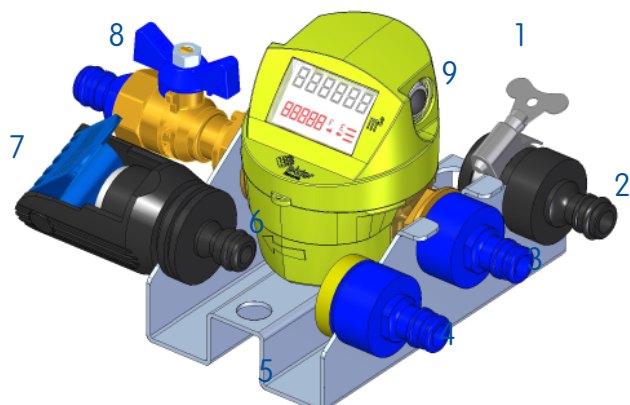
Y290 water meter is part of the single jet Elster Iberconta's Product Portfolio. This type of water meters are hybrids because they combine a mechanical sensor with an electronic register. This combination provide a high accuracy and easy to collect information from the meter. The electronic register module is compound for two color high contrast LCD with digits 10 mm height. 6 black digits in the LCD top part are for cubic meters and additional information as flow rate, etc and 5 red digits in the LCD bottom part are for decimals of cubic meters. LCD in the bottom part gives others relevant information of flow direction, error flags for magnetic manipulation or battery status.

Benefits

The portable water meter testing station gives saving from costly dismantling and handling operations to move the meter to be tested to fix test bench. Water meter which fault suspected is tested "in situ" in its own installation site to know whether it is or not within the limits of required accuracy values.

Components

1. Tap adapter.
2. Gasket G1".
3. Inlet Fitting.
4. Adapter 3/4" y 1/2".
5. Support base.
6. Gasket 3/4".
7. Monoblock adapter.
8. Outlet fitting.
9. Button.



Main Features

- Electronic, high accuracy meter.
- High contrast LCD with 10mm height digits for read easiness and information icons.
- Flexible hosepipes and adapters to allow connection to any kind of valve or tap.
- An anodized aluminium base to higher protection level.
- All these installed in a light, small size plastic case, with adjustable strap for convenience transport.
- For water up to 40°C.
- With estimated battery autonomy 12 years.



Register



Warranty:

Meters are warranted for one year from any manufacturing default in his operation and/or materials from the date of delivery. This warranty must be understood as the replacement of the piece or pieces in our workshops. The warranty does not cover damage caused by improper installation, incorrect handling, force majeure, or whether the data provided does not fit the actual conditions of work. By the same, it would be excluded from the security breakdown or failure by the freezing of the fluid in its interior and the consequent increase in the volume of it. For everything not included in this summary, it must be applied the condition of security, that is available under the terms of Elster.

Technical data

Measuring range	l/h	30 -3.000
Accuracy	%	0,5
Minimum display resolution	liters	0,01
Maximum working press	bar	16
Maximum working temperature	°C	40
Length	mm.	275
Height	mm.	155
Width	mm.	225
Weight (aprox.)	kg.	2,75

How to use

Connect the test station to the valve or tap that feeds water meter to be checked using the suitable coupling/hose contained into the suitcase. Purge air bubbles passing water flow, make sure that all circuit is full of water and close the exit valve. Then reset the display and take the read of the test meter. Open the exit valve to pass water flow and close when essay is finish and compare the reading of installed water meter with the recorded read of the test station. Then calculate the error of measurement by difference proportionality.

The test meter included into the station, has a button located in its right side; this can be operated within three ways: short press (normal), long press (with auto repeat every 1 second if held) and release after long press.

- In a working status, a short press freezes the value displayed on the screen. Another short press releases this freeze and value showed is updated.

- By long press, we can access to four possible reading status in the LCD: flow rate, partial volume passed, reset of partial volume and cumulative volume passed (not resettable). Releasing the button sets the screen status showed on the display.

Parameters stored into the memory

The following parameters are recorded into meter's memory:

- Log in the session with month, day, hour and minute.
- Log out the session with hour and minute.
- Total volumen recorded during whole session.

Access to these data is by means of a reading software connecting meter communications port (RJ connector integrated in it) to hand held or a computer using communication interface).