

Technical Data

FM.DN1 / FM.DA1 DIGITAL 1" FLOWMETER



Applies to the following models only:

- FM.DN1 - FM.DA1

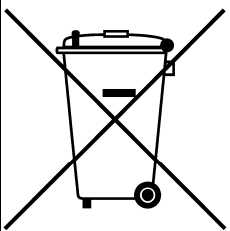
Please read carefully before commencing installation

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ENVIRONMENTAL INFORMATION



European Directives 2002/96/EC and 2003/108/EC require that the equipment bearing this symbol on the product and/or its packaging must not be disposed of with unsorted municipal waste. The symbol indicates that this product must be disposed of separately from regular household waste streams. It is your responsibility to dispose of this and other electric and electronic equipment via designated collection facilities appointed by the government or local authorities

PRODUCT DESCRIPTION

Range of 1" electronic turbine meters designed to be fitted in line with the delivery pipework or by the nozzle. Not suitable for resale.

SPECIFICATION

FM.DN1 - Turbine flowmeter, nylon body, 1" BSP ports for AdBlue®.

FM.DA1 - Turbine flowmeter, aluminium body, 1" BSP ports for diesel.

Flow rate: 10-100L

Accuracy: +/- 1% when calibrated.

Ports: 1" F BSPP

Register: 5 digits

Totaliser: 7 digits

Max pressure: 145PSI (10 BAR)

INSTALLATION INSTRUCTIONS

This meter is designed to be fitted in line with the delivery pipework or by the nozzle. Ensure all threaded joints are sealed with a suitable thread sealant or PTFE tape.

Please see manufacturer's instructions for additional technical information, exploded diagrams, troubleshooting guide etc.

CALIBRATION

To calibrate this meter, you will require a calibrated measure greater than 5L in volume. A 20L measure can be recommended and is used in the below example:

1. Wait for the meter to go into standby mode.
2. Press the **RESET** button so that the resettable totaliser resets to zero.
3. Start dispensing fluid into the calibrated measure can at full flow until desired calibrated level is reached, i.e. 20.00L.
4. Now press and hold the **MENU** button until “**Cal**” is displayed in the bottom left of the screen. This is the calibration input screen. The first digit will now flash.
5. We now need to input **020.00L** into the display. Press the **RESET** button to select the correct digit. Once the correct digit is displayed press the **MENU** button to scroll to the next digit. Continue until **020.00L** is displayed.
6. Now press and hold the **MENU** button to exit the calibration menu.
7. Carry out a test measure to ensure that the new calibration setting is accurate.

Please see manufacturer's instructions for additional technical information, exploded diagrams, troubleshooting guide etc.

REPLACING THE BATTERY

You will need to remove the 4 screws on the rear of the meter to remove the display and gain access to the battery compartment. The replacement CR2 battery part code is **FM.DA1.BATT**

E.U. DECLARATION OF CONFORMITY



HYTEK
FUEL & LUBRICATION
EQUIPMENT

Company Name: **Hytek (GB) Ltd**

Address: **Delta House, Green Street
Elsenham,
Bishops Stortford
Hertfordshire
CM22 6DS, UK**

Date of Issue: **28th May 2010**

Equipment Details: **FM.DA1 / FM.DN1 Digital In-Line Meter – 1”**

Applicable Standards (EMC etc.): **2004/108/EC EMC Directive &
2014/30/EU EMC Directive (effective date 20th
April 2016)
EN 61000-6-3:2007 (+A1)
Electromagnetic compatibility (EMC) - Part 6-3:
Generic standards - Emission standard for
residential, commercial and light-industrial
environments**

2006/42/EC Machinery Directive

2014/68/EU Pressure Equipment Directive

**2012/19/EU Waste Electrical & Electronic
Equipment Regulations**

**2011/65/EU Restriction of Hazardous
Substances Directive (RoHS2)**

Authorized By: **Clive Wellings
Technical Manager Hytek**

Declaration number: **EC084**

On behalf of the above named company, I declare under our sole responsibility that, on the date the equipment accompanied by this declaration is placed on the market, the equipment conforms with all technical and regulatory requirements of the above listed directives.



Clive Wellings, Technical Manager

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