

Flowmeters & Monitors

Dataflow - 4 to 20mA and Pulse Output Flow Transmitters

Features & Benefits



- 4 to 20mA output.
- Pulse output available for totalising/batching.
- Works in any plane.
- Accepts reverse flow.
- Maximum flow 150 l/min.
- Negligible pressure drop.
- Pressures up to 10 bar.
- Low cost. Simple to install.
- For use with most liquids.
- Factory calibrated. Accuracy $\pm 2\%$.
- DIN plug connector (included).

Specification

Construction:

Borosilicate glasstube.
Nitrile seals.
Body – Glass filled nylon.
Rotor and locator – Acetal.
Washers and shaft – Stainless steel.
Rotor tips – Stainless steel.

Max. working pressure:

10 bar oil/water.

Flow indication:

Min: 2 l/min.
Max: 150 l/min.
Accepts reverse flow.

Accuracy:

$\pm 2\%$ FSD.

Temp range:

+5°C to +80°C oil.
+5°C to +60°C water.

Connections:

1" BSP parallel threads.

Weight:

0.7Kg.

Calibration 4 to 20mA:

4mA = 0 l/min,
20mA = 100 l/min.

Calibration pulse output per litre:

'K' factors.
Oil = 51.14
Water = 44.25

Electrical details 4 to 20mA:

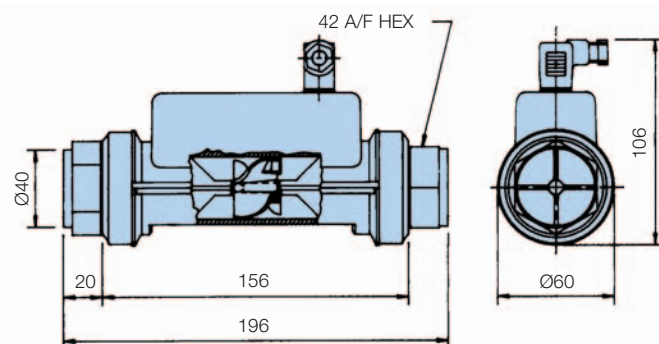
Supply = 24Vdc.

Pulse output:

Supply = 24Vdc.
(open collector transistor).



Installation Details



Ordering Information

Standard products table

Product number	Supersedes	Description
DFT980	DFT.980	Dataflow "Pulse" output transmitter
DFT990	DFT.990	Dataflow 4-20mA transmitter

Note 1: Part numbers featured with bold highlighted codes will ensure a 'standard' product selection.

Note 2: Alternate displayed part number selection will require you to contact Parker Filtration for availability.



Dataflow 4-20mA transmitter can be connected to a Digital Display Unit (DDU1001 or DDU1002)

Digital Display Specification (DFT 990 only)

For indicator options please refer to MS150 section of the catalogue, reference DDU1001 and DDU1002 indicators

4 to 20mA On-Site Calibration

Set your system to zero flow. Connect a multimeter across terminals 1 (+20mA) and $\oplus$ (0mA) (Dia. 2). Set the zero to read 4mA on your multimeter (Dia. 1). Set your system to full flow and set the span to read 20mA on your multimeter. (Dia. 1)

Note: Minimum span setting = 30 l/min

Diagram 1

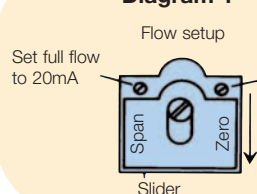


Diagram 2

