

Dataflow - Flow Transmitters

Part #: DFC9000100



An extensive range of flow metering products. Dataflow 4-20mA and pulse output flow transmitters and the Dataflow Compact inline flow transmitter for reading up to 150 LPM.

Technical Specifications

Brand:	Parker	Maximum Fluid Temperature:	70 °C, 158 °C, Oil: 176 °F, Water: 140 °F
Division:	Hydraulic & Industrial Process Filtration Division EMEA	Port Size:	3/8 inch
Industry:	General Industrial, Industrial Manufacturing Equipment, Chemical Processing	Port Type:	BSP
Technology:	Hydraulics	Electrical Requirements:	5 VDC
Signal Output:	Compact flow	Specifications Met:	Pressure Directive
Product Type:	Condition Monitor	Sensing Method:	Pulse Totaliser, Infra-red
Product Style:	Flow Meter	Accuracy:	+/- 2% Typical
For Fluid Type:	Oil, Water	Materials of Construction:	Borosilicate Glass Tube, Grilamid - TR55
Flow Rate:	1 to 150 L/min	Length:	52 mm
Operating Pressure:	20 bar, 290 psi	Height:	29 mm
Operating Temperature:	5 to 70 °C, Water: 5 to 60 °C, 41 to 158 °F, Water: 41 to 140 °F	Width:	27 mm
Minimum Fluid Temperature:	Oil: 5 °C, Water: 5 °C, Oil: 41 °F, Water: 41 °F	Seal Material:	Nitrile
		Body Material:	Grilamid - TR55

Item Information

Dataflow Compact – The Low Cost Transmitter the Dataflow Compact Transmitter was designed to offer OEM's and end users alike a means of monitor low flows on liquids with an electronic output signal- but at low cost. Fluid passes through the one piece sensor body impacting on the twin vanned turbi rotor, causing it to rotate at a speed proportional to the flow rate. Two opposing photo-transistors are mounted either side of the rotor and externally of t clear sensor body, these generate a continuous signal. As the rotor spins each blade obscures the infra-red signal. This is then converted into an industry standard pulse output signal – compatible with inexpensive display units for flow rate, totalising, batch control and large, central control systems. The lightweight Grilamid body with its virtually unrestricted flow path, offers negligible pressure drop for flows up to 25 l/min and withstanding pressures up to 20 bar.

- Pulse output signal for flows up to 25 l/min.
- Lightweight and robust.
- Operates in any plane. Simple to install.
- Low cost flow measurement.
- Negligible pressure drop.
- Accepts reverse flow.
- 3/8 BSP male connection.
- Water or compatible clear fluids only.
- Ideal for washing machines, showers and vending machines.

Flow Rate Totalising batch control and applications in many industries. Dataflow Compact Transmitters are small and very robust having been developed and tested extensively in industry applications where space is a restriction. Dataflow Compact with its Grilamid body and BSP connections can be installed almost anywhere and once installed will give accurate and reliable output signalling.
