

SKU 133480

GRACO IM20P In-Line Pulse Meter

Wired in-line pulse meter for oils and antifreeze with a 2 wire PNP or NPN output for a PLC or logic controller. Aluminium body, 3/4 in NPT ports, rated to 1,500 psi and sealed to IP69K.



0.95 to 75.7 L/min

Flow range, tested in 10W oil at 21 °C

±0.5%

Accuracy, Graco product sheet

12 to 24 VDC

2 wire PNP or NPN pulse output

Key features

- Needs a logic control device to turn pulses into volume
- Default 172 pulses per US quart, based on 10W30 at 25 °C
- Works with both PNP and NPN logic controllers
- IP69K to DIN 40050-9, suits indoor or outdoor use
- Pressure loss 2.41 bar at 45.4 L/min in 10W oil at 21 °C
- Not approved for explosive atmospheres or hazardous locations



Technical data

SPECIFICATION	VALUE
Order codes	133480
Flow range	0.95 to 75.7 L/min (0.25 to 20 US GPM), tested in 10W oil at 21 °C
Accuracy	±0.5%
Max working pressure	1,500 psi (102 bar)
Connections	3/4 in NPT inlet and outlet
Fluids	Petroleum and synthetic oils (motor, gear, ATF), antifreeze and coolant
Output	2 wire (18 ga), PNP or NPN
Calibration factor	172 pulses per US quart default (10W30, 25 °C, 5 US GPM). Antifreeze 150
Supply	12 to 24 VDC, 26 to 51 mA
Protection	IP69K to DIN 40050-9
Wetted parts	Aluminium, stainless steel, carbon steel, acetal, nitrile rubber, Geolast
Operating temperature	-30 to 82 °C

Installation and use

Do not over-tighten fittings: tighten only 2 to 3 turns past finger tight, as excess torque will crack the casting. Flush the lines before installing.

