

FLOWCERT

Technical Specifications:

The FlowCERT open channel flow meter provides comprehensive flow monitoring with data logging and control functions for a complete range of flumes and weirs. It is compatible with a range of sensors in order to create a flow metering system to suit your application.



PHYSICAL

Mounting Option:	Standard Wall Mount:
Controller Body Dimensions:	235 mm x 184 mm x 120 mm (9.25 in x 7.24 in x 4.72 in)
Weight:	Nominal 1 kg (2.2 lb)
Enclosure Material/Description:	Polycarbonate, flame resistant to UL94-5V
Cable Entry Detail:	10 cable entry knock outs, 5 x M20, 1 x M16 underside, x 18 mm (0.71 in) dia (PG11) at rear
Transducer Cable Extensions:	2-core screened
Maximum Separation:	Up to 1,000 m (3,280 ft)

ENVIRONMENTAL

IP Rating:	IP65 / NEMA 4X
Max. & Min. Temperature (Electronics):	-20 °C to +50 °C (-4 °F to +120 °F)
Flammable Atmosphere Approval:	Safe area: compatible with approved dB transducers
CE Approval:	Listed in the Certificate of Conformity within the manual

PERFORMANCE

Accuracy/Repeatability:	Dependent on application and sensor used. See sensor specification.
Resolution:	Dependent on application and sensor used. See sensor specification.
Min. & Max. Range:	0 m to 15 m (49 ft). Dependent on sensor used.
Echo Processing:	DATEM (Digital Adaptive Tracking of Echo Movement)
Rate Response:	Fully Adjustable

OUTPUTS

Analog Outputs:	Isolated (floating) output (to 150 V) of 4-20mA or 0-20mA into 500 Ω (user programmable and adjustable) 1 μa resolution
Digital Output:	Full Duplex RS232
Volt Free Contacts, Number, & Rating:	5 form "C" (SPDT) rated at 5A at 115 V/240 V AC
Display:	6 digits plus 12 character text, plus bar graph with direction indicators, remote communicator identifier and program/run/test mode indicators

INPUTS

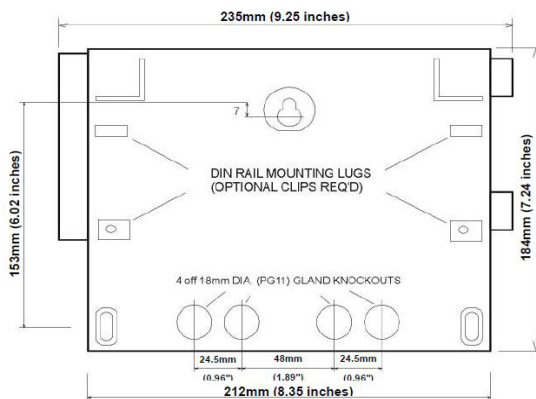
Analog Inputs:	2 x isolated (floating) input (to 150 V) of 4-20mA or 0-20mA into 500 Ω (user programmable and adjustable) 1 μ a resolution
Velocity Input:	Via RS485 digital communications interface

PROGRAMMING

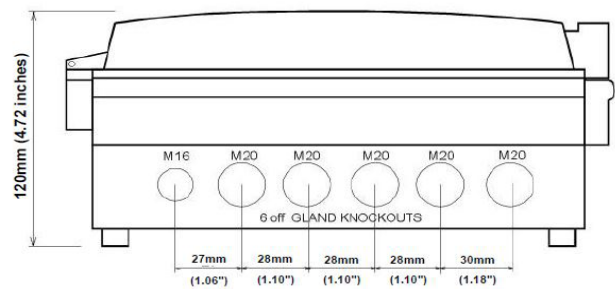
On-board Programming:	By integral keypad
PC Programming:	Via RS232
Programming Security:	Via passcode (user selectable and adjustable)
Programmed Data Integrity:	Via non-volatile RAM, plus backup

SUPPLY

Power Supply:	115 V AC +5% / -10% 50/60 Hz, 230 V AC +5% / -10% 50/60 Hz, 22-28 V DC, 10 W maximum power (typically 6 W)
Fuses:	100mA at 230 V AC, 200mA at 115 V AC



FlowCERT Enclosure Drawing



FlowCERT Cable Entry Drawing



INFO@PULSARMEASUREMENT.COM

Pulsar Measurement is a trading name of Pulsar Process Measurement, Ltd.

Copyright © 2020 Pulsar Measurement
Registered Address: 1 Chamberlain Square CS, Birmingham B3 3AX
Registered No.: 3345604 England & Wales

Delivering the Measure of Possibility

United States

11451 Belcher Road South
Largo, FL 33773

+1 888-473-9546

Canada

16456 Sixsmith Drive
Long Sault, Ont. K0C 1P0

+1 855-300-9151

United Kingdom

Cardinal Building, Enigma
Commercial Centre
Sandy's Road, Malvern WR14 1JJ

+44 (0) 1684 891371

Rev 2.0