FLOWCERT LITE

Technical Specifications:

The FlowCERT Lite 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 UL94-5 V
Cable Entry Detail:	10 cable entry knock outs, 5 x M20, 1 x M16 underside, x 18 mm 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/Repeability:	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

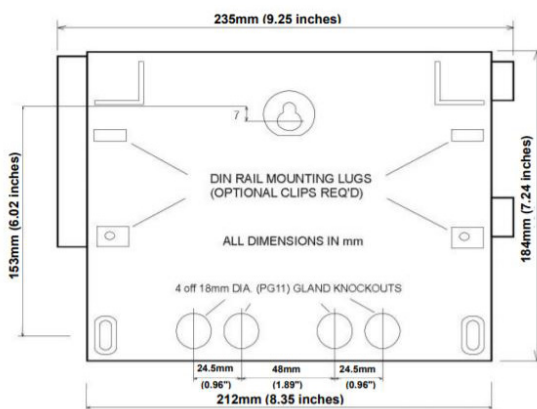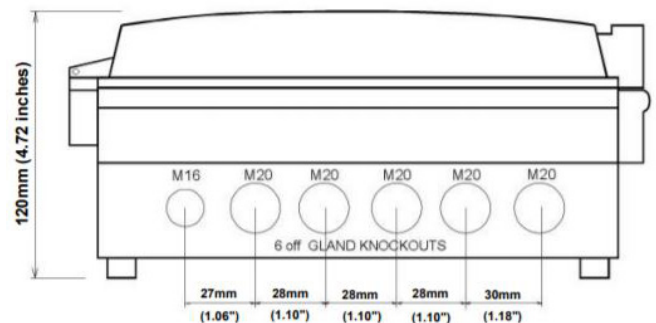| Analog Outputs:	Isolated (floating) output (to 150 V) of 4-20mA or 0-20mA into 500 Ω (user programmable and adjustable) 1 µa resolution
Digital Output:	Full Duplex RS232
Volt Free Contacts, Number, & Rating:	5 form "C" (SPDT) rated at 5A at 115 V/240 V AC
Display:	6 digits plus 12 character text, plus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

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:	100 mA at 230 V AC, 200 mA at 115 V AC

FlowCERT Lite Enclosure Drawing

FlowCERT Lite Cable Entry Drawing

Delivering the Measure of Possibility

Pulsar Measurement offers worldwide professional support for all of our products, and our network of reps and distributors all offer full support and training. Our facilities in Malvern, UK and Largo, USA are home to technical support teams who are always available to answer your call or attend your site when required. Our global presence, with direct offices in the UK, USA, Canada, and Malaysia allow us to create close relationships with our customers and provide service, support, training, and information throughout the lifetime of your product.

For more information, please visit our website:

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