

VELOCITY INTERFACE

Technical Specifications:

The Velocity Interface has been designed to provide a simple interface with the Microflow and Speedy velocity sensors — ideally suited to applications where velocity monitoring, reporting, or control is required. The velocity Interface controller is very easy to use and may be calibrated quickly and simply via the on-board keypad and display.



PHYSICAL

Controller Body Dimensions:	130 mm x 150 mm x 63.5 mm (5.12 in x 5.9 in x 2.5 in)
Weight:	Nominal 0.65 kg (1.4 lb)
Enclosure Material/Description:	Polycarbonate, flammability rating UL91-V0 (UV stabilized)
Cable Entry Detail:	Underside fitted with 3x M20, nylon cable glands for 6 mm to 12 mm (0.24 in to 0.47 in) cable
Transducer Cable Extensions:	4-core screened
Maximum Separation:	Up to 100 m (328 ft)

ENVIRONMENTAL

IP Rating:	IP66/67
Max. & Min. Temperature (Electronics):	-20 °C to +50 °C (-4 °F to +120 °F)
CE Approval:	Listed in the Certificate of Conformity within the manual

PERFORMANCE

Min. & Max. Range:	-6 m/s to +6 m/s (-19.7 ft/s to +19.7 ft/s) Dependent on sensor used.
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OUTPUTS

Analog Output:	Isolated passive output (active output optional) of 4-20mA or 0-20mA into 1 kΩ (user programmable and adjustable) 1% resolution
Serial Port:	RS232 for programming and data extraction
Volt Free Contacts, Number, & Rating:	2 form "C" (SPDT) rated at 2 A at 240 V AC
Display:	2 x 12 alpha numeric

PROGRAMMING

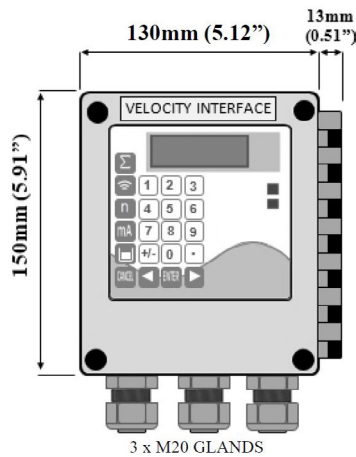
On-board Programming:	By integral keypad
Remote Programming (Optional):	Via RS232 using optional handheld calibrator
Programming Security:	Via passcode (user selectable and adjustable)
Programmed Data Integrity:	Via non-volatile RAM

SUPPLY

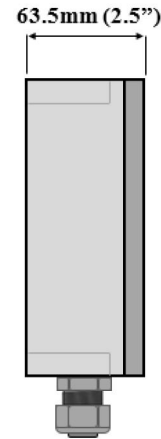
Power Supply: 115 V AC +5% / -10% 50/60 Hz, 230 V AC +5% / -10% 50/60 Hz, 10 to 24 V DC, 10 W maximum power (typically 5 W)

Fuses: 50 mA at 200-240 V AC, 100 mA at 90-120 V AC

Remote Communicator Power Supply: Via RS232 interface



Velocity Interface Drawing Front



Velocity Interface Drawing Side

Delivering the Measure of Possibility

Pulsar Measurement offers worldwide professional support for all of our products, and our network of global partners 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, allows us to create close relationships with our customers and provide service, support, training, and information throughout the lifetime of your product.

By taking a step forward in echo processing technology, Pulsar Measurement addresses applications previously thought to be beyond the scope of ultrasonic measurement. This technology improves signal processing at the transducer head which has made it possible to increase resistance to electrical noise, enabling the transducer to 'zone in' on the true echo.

For more information, please visit our website:

www.pulsarmeasurement.com



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