VIPER TRANSDUCER

Technical Specifications:

The Viper sludge transducer can be positioned up to 200 m (656.2 ft) from the controller and has a measurement range of 300 mm to 10 m (11.8 in to 32.8 ft) — accuracy is 0.25% of the measured range. A tight 6° beam angle makes confined or cluttered applications easy and the self-cleaning face removes the need for regular inspection and maintenance — meaning you can avoid that unhygienic and hazardous task you hate!

PHYSICAL

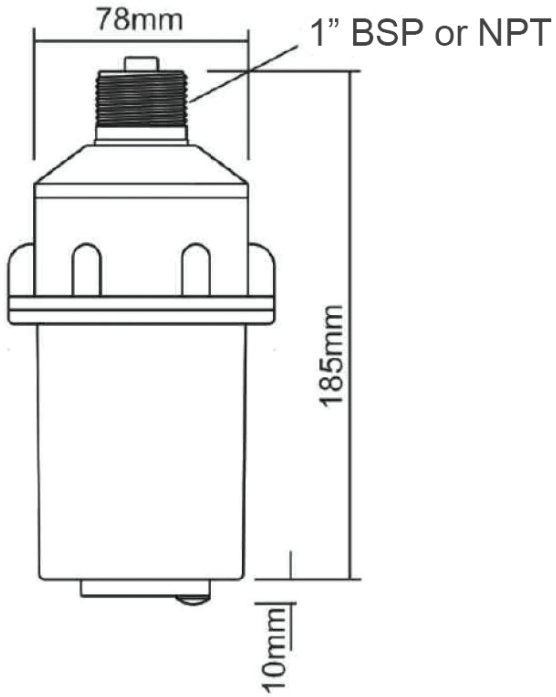
Sensor Body Dimensions:	78 mm D x 195 mm H (3.1 in x 7.7 in)
Weight:	Nominal 1.5 kg (3.3 lb)
Enclosure Material/ Description:	Valox 357. Wiper blade — Stainless steel
Transducer Cable Extensions:	4-core screened
Maximum Separation:	200 m (656.2 ft)
Mounting Connection:	1" NPT or BSP

ENVIRONMENTAL

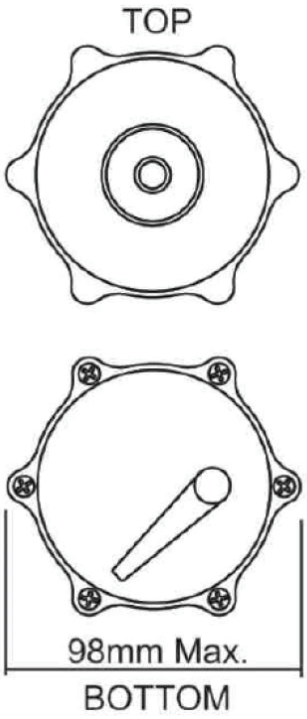
IP Rating:	IP68
Max. & Min. Temperature (Electronics):	-20 °C to +50 °C (-4 °F to +122 °F)
CE Approval:	2014/30/EU & 2014/35/EU — EMC Directive. Standards applied: EN 61010-1:2010 / EN 61326-1:2013 / EN 55011 / EN 61000 (3-2 / 3-3 / 4-2 / 4-3 / 4-4 / 4-5 / 4-6 / 4-7 / 4-11
ATEX Approval:	Viper transducer must be within a safe area

PERFORMANCE

Accuracy:	0.25% of the measured range or 10 mm (0.4 in), whichever is greater
Resolution:	0.25% of the measured range or 10 mm (0.4 in), whichever is greater
Max Range:	10 m (32.8 ft)
Min Range:	300 mm (11.8 in)
Minimum Sludge Density:	0.5% concentration



Viper Transducer Side Drawing



Viper Transducer Top and Bottom Drawing

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:

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