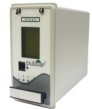
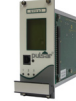


Ultra 3

Technical Specification:

PHYSICAL: MOUNTING OPTION SPECIFIC:



Mounting option:	Wall Mount	Fascia Mount	Rack Mount	Panel Mount
Sensor body dimensions:	188 x 160 x 107mm (7.4 x 6.3 x 4.2in)	200 x 112 x 108mm (7.87 x 4.4 x 4.25in)	10HP x 160Dmm x 3U (128.5Hmm)	72W x 144H x 176Dmm
Sensor body weight:	Nominal 1kg (2.2lbs)	Nominal 1.3kg (2.86lbs)	Nom. 0.8kg (1.7lbs)	Nom. 1.4kg (3lbs)
Enclosure material/description:	Polycarbonate, flame resistant to UL91	Stainless steel back, Polycarbonate UL94-V0 front and bezel	Aluminium frame	ABS
Cable entry detail:	8 cable entry knock outs 1 x M16, 3x M20 underside 4 x 18mm dia (PG11) at rear	8 cable entry knock outs 1 x M16, 3x M20 underside 4 x 18mm dia (PG11) at rear	N/A	N/A
Enclosure protection:	IP65	IP64	None	IP65 optional

PHYSICAL: ALL MOUNTING OPTIONS:

Transducer cable extensions:	2-core screened
Maximum separation:	Up to 1000m (3280ft)

ENVIRONMENTAL:

Max. and min. temperature (electronics):	-20°C to +50°C (-4°F to +120°F)
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APPROVALS:

CE approval:	Listed in the Certificate of Conformity within the manual
Flammable atmosphere approval:	Safe area: compatible with approved dB transducers

PERFORMANCE:

Accuracy/Repeatability:	0.25% of the measured range or 6mm (whichever is greater)
Resolution:	0.1% of the measured range or 2mm (whichever is greater)
Min. & max. range:	0 - 40m (131ft). Dependent on sensor used. Ability to measure 50m (164ft) with dB50 when modified.
Rate response:	Fully adjustable
Echo processing:	DATM (Digital Adaptive Tracking of Echo Movement)

OUTPUTS:

Analogue output:	Isolated (floating) output (to 150V) of 4-20mA or 0-20mA into 500Ω (user programmable and adjustable) 0.1% resolution
Digital output:	Full Duplex RS232
Volt free contacts, number & rating:	3 form "C" (SPDT) rated at 5A at 240Vac
Display:	6 digits plus 12 character text, plus bargraph 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:	115Vac +5% / -10% 50/60Hz, 230Vac +5% / -10% 50/60Hz, 18-30Vdc, 10W maximum power (typically 6W)
Fuses:	100mA at 170-240Vac, 200mA at 85-120Vac