

UltraTWIN

Technical Specification:



PHYSICAL: MOUNTING OPTION SPECIFIC:

Mounting option:	Standard Wall Mount:	Fascia Mount:
Sensor Body Dimensions	235 x 184 x 120 mm (9.25 x 7.24 x 4.72 in)	200mm x 112mm (7.87 x 4.41 in) front x 108mm (4.25in) deep: 165mm x 105mm (6.5in x 4.13in) cutout
Weight:	Nominal 1kg (2.2lbs)	
Cable Entry Details:	10 cable entries. 1 x M16, 5 x M20 underside, 4 x PG11 at rear	
Enclosure Material/Description:	Polycarbonate, flame resistant to UL 94-5V (wall), UL94-V0 (fascia)	
Transducer cable:	Twin Screened	
Maximum Separation	1000m (3280ft)	

ENVIRONMENTAL:

IP Rating:	IP65	IP64
Max. and Min. Temperature (electronics):	-20C to +50C (-4F to +122F)	
Flammable atmosphere approval:	Safe area: compatible with approved dB transducers	

APPROVALS:

CE Approval:	See the CE Declaration of Conformity in the product manual	
UL/C-UL:	UL Listed. UL Listed to Canadian safety standards. Certificate Number: E257330 (wall and fascia mounts only)	

PERFORMANCE:

Accuracy:	+0.25% of the measured range or 6mm whichever is greater
Resolution:	+0.1% of the measured range or 2mm whichever is greater
Range:	Depending upon transducer, from 125mm to 40m (0.41-130ft). 50m on modified Ultra 3 and Ultra 5. (0 to 2.425m (0 - 7.95ft) dBMACH3 for open channel flow)
Echo Processing:	Patented DATEM (Digital Active Tracking of Echo Movement)

OUTPUTS/INPUTS:

Analogue Output:	2x Isolated output 4-20mA or 0-20mA into 500 (user programmable and adjustable), 0.1% resolution
Digital Output:	Full duplex RS232 via RJ11 port
Display:	6 digits plus 12 character text, plus bargraph with direction indicators, remote communicator identifier and program/run/test mode indicators
Digital Inputs:	Wall = 4, Fascia = 7, normally open or normally closed, 24VDC supply

PROMGRAMMING:

On-Board Programming:	Standard on wall and fascia mount units with integral keypad
PC Programming:	Via RS232 (RJ11 port)
Programming Security:	Via password (user selectable and adjustable)
Programmed Data Integrity:	Via non-volatile RAM, plus backup
Power Supply:	115V ac +5%/-10% 50/60Hz, 230V ac +5%/-10%, 18-30V dc
Volt-free contacts:	6 form C (SPDT) 5A, 240V ac

Pulsar Process Measurement Ltd. operates a policy of constant development and improvement and reserves the right to amend technical details as necessary.

Literature No. U3-D-0817

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