## Blackbox 136



PHYSICAL: MOUNTING OPTION SPECIFIC:



Mounting option:	Standard Wall Mount:	Large Wall Mount:	
Sensor body dimensions:	130 x 150 x 63.5 mm (5.12 x 5.9 x 2.5 in)	130 x 180 x 85 mm (5.12 x 7.09 x 3.35 in)	
Sensor body weight:	Nominal 0.65kg (1.4lbs)	Nominal 0.75kg (1.65lbs)	
Enclosure material/description:		ABS Base with polycarbonate lid,	
		flamability rating UL94HB	
Cable entry detail:	Underside fitted with 3 x M20, nylon cable glands suitable for 6-12mm cable, two 15mm x 13mm rear knockouts	Underside fitted with 3 x M20, nylon cable glands suitable for 6-12mm cable	

	e, two 15mm x 13mm rear cable	
PHYSICAL: ALL MOUNTING OPTIONS:		
Transducer cable extensions:	2-core screened (2 conductor 20AWG screened)	
Nominal separation:	1000m (3280ft) For greater separation distances please contact us	
ENVIRONMENTAL:		
IP Rating:	IP66/67	
Flammable atmosphere approval:	All Blackbox units must be mounted in a safe area. Compatible with approved dB Transducers	
Max./Min temperatures (electronics):	-20 °C to +55 °C (-4 °F to +131 °F)	
APPROVALS:		
CE approval:	See EC Declaration of Conformity in the manual	
UL/C-UL:	UL Listed. UL Listed to Canadian Safety Standards. Certificate Number E257330.	
PERFORMANCE:		
Accuracy/Repeability:	0.25% of the measured range or 6mm (whichever is greater)	
Resolution:	dBMACH3 0.25mm, dB3 0.5mm, dB6 and dB10 1mm, dB15 1.5mm, dB25 2.5mm and dB40 5mm.	
Min. & max. range:	Dependent on Transducer. Nominally 125mm to 40m (0.41ft to 130ft)	
Rate response:	Fully adjustable	
Echo processing:	DATEM (Digital Adaptive Tracking of Echo Movement)	
OUTPUTS:		
Analogue output:	0 to 5VDC into minimum load 10K $\Omega$ non-isolated (user programmable and adjustable) 0.1% resolution	
Digital output:	RS232 for programming and data extraction. RS485 providing Profibus DP V0 OR V1 communications	
PROGRAMMING:		
On-board programming	Via DCCCC using a smalled authors wie internal bound	
PC programming:	Via RS232 using supplied software, via integral keypad	
Programming security:	Via Passcode (user selectable and adjustable)	
Programmed data integrity:	Via non-volatile RAM	
Remote programming:	Via RS232 using optional handheld calibrator	
DATA LOGGING (VIA OPTIONAL CSO L	.OG SOFTWARE)	
Memory Capacity:	192Kbytes 28 days @ 5bytes/min	
Memory Type	Non-volatile memory	
REMOTE COMMUNICATOR:		
Power supply:	Power supplied via Blackbox RS232 interface	
SUPPLY:	40 20V DC 40W mayimum paytar (typically EW)	
Power supply:	10-28V DC 10W maximum power (typically 5W)	

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

Pulsar Process Measurement Ltd. Malvern, WR14 1JJ, UK Tel: +44 (0) 1684 891371 Email: info@pulsar-pm.com www.pulsar-pm.com

Pulsar Process Measurement Inc. Niceville, FL 32578, USA Tel: +1 850 279 4882 Email: info.usa@pulsar-pm.com