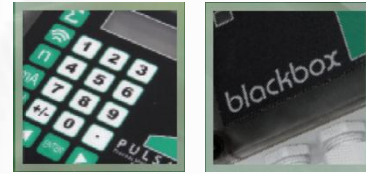


Blackbox 133 datasheet

0-5V analogue version



Blackbox is Pulsar's compact non-contacting ultrasonic level measurement range, designed to fit right into a distributed control system. A small control unit sits remotely on your site that connects to a dB ultrasonic transducer. Simple does not mean unsophisticated – the Blackbox range enjoys the benefit of advanced DATEM echo processing for a reliable, consistent result.



Blackbox 133 – General

Power Supply:	115V AC +5%/-10%, 50/60 Hz, 10-28V DC
Approvals:	UL/CuL NEMA 4X (IP65) American Recovery and Reinvestment Act (ARRA certification on request)
Temperature:	Ambient -4 to 131°F (-20 to 55°C)

...model with keypad and display

Function:	Level and Volume
Display:	Back lit, 2 x 12 alpha numeric
Programming:	Easy descriptive menu driven parameters via Integral keypad, handheld programmer or Blackbox PC software

...model without keypad and display

Function:	Level
Programming:	Easy descriptive menu driven parameters via handheld programmer or Blackbox PC

Outputs

Relays:	2, form "C" (SPDT) relays rated 2A at 115V/240V AC
Relay Functions:	Level alarms, basic on/off control, device failed
Analogue Outputs:	0-5V DC into minimum load 10KΩ non-isolated
Analogue Output Functions:	Level, Distance, Space or (Volume on keypad & display model only)

Echo Processing

Echo Processing:	Digital echo processing
Masking:	DATEM Obstruction Masking (unique intelligent masking technology, continually adapting to prevent false levels being shown)

Options

Enclosure:	Keypad & display
Software:	Blackbox PC - Diagnostic software, parameters accessible and echo traces viewable

Compatible Transducers

Level / Volume App. :	dB3, dB6, dB6, dB10, dB15, dB25, dB40
Please see related transducer datasheet for specifications and options.	

Blackbox

