



# Data Sheet

**Black Box Controls Ltd**

**Fluid Level sensor**

**15mm diameter pipe sensor**

<p><b>Features</b></p> <ul style="list-style-type: none"> <li>➤ Low Cost</li> <li>➤ Easy installation</li> <li>➤ Accurate</li> <li>➤ Reliable</li> <li>➤ -40 to 100 °C operating temperature</li> <li>➤ USB and Andriod phone adapters available</li> </ul>	<p><b>General</b></p> <p>The Black Box Controls level sensor is a new idea in level sensing which is easy to install, has low cost and maintains a high accuracy. Small and compact just 15mm diameter copper pipe and the length as required for sensing. Easy to understand and no setting up required. Just works out of the box.</p>
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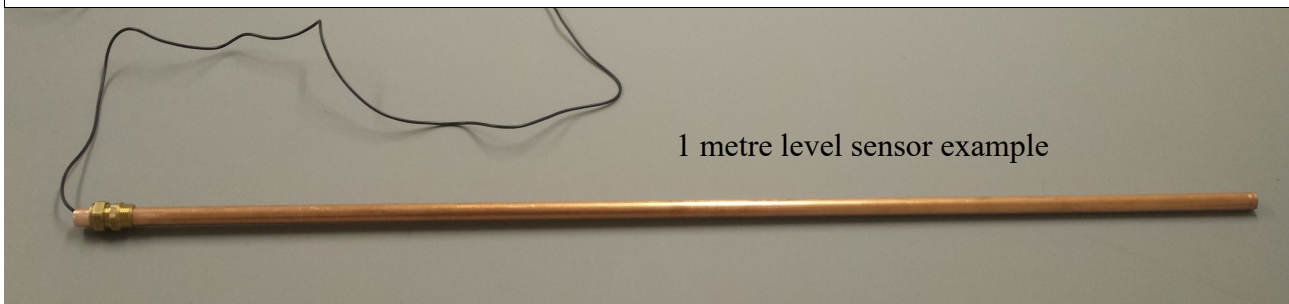
Parameter	Minimum	Nominal	Maximum	Notes
Accuracy		+/- 0.2%		
Offset		+/- 1.0%		
Supply Voltage	3.0	3.3	3.5	Volts
Supply Current		3		mA
Temperature	-40		100	°C

## XX-xxx-m-ct-LLL

XX	LS plain 15mm dia Cu pipe LB ½ inch BSP end fixing Cu Pipe	t	<p><b>Output Type (Standard 100cm cable length)</b></p> <p>A Serial 2 wire, coax SMA output</p> <p>B Uncompensated frequency, 2 wire, coax SMA output</p> <p>C PWM 2 Wire, coax SMA output</p> <p>D Serial 3 wire, stripped ends</p> <p>E Uncompensated frequency, 3 wire, stripped ends</p> <p>F PWM 3 wire, stripped ends</p> <p>G Volt output 3 wire stripped ends</p>
xxx	<b>Total length</b> of sensor cm <sup>1)</sup>		
m	<b>Fluid Type</b> W-water, D-diesel		
c	<b>Wire coating</b> P-PVC, F-PTFE		
LLL	<b>Cable length</b> (cm). 100cm standard		

3 wire colours. RED Vsupply, BLACK 0V, WHITE signal

1) Sensing is available from the bottom to 5cm from the top of the pipe



1 metre level sensor example