

Lightweight, adaptable liquid level measurement

- Compatible with fuels, oil, and coolants
- Multiple standard and custom mounting options
- Aluminium construction with side or top cable exits
- -40°C to +125°C temperature range
- Tank volume output
- Temperature output option
- High or low switch output option



OUTPUT

Primary output standard range	0.25 – 4.75V Range is Datum A to Datum B (see drawing overleaf)
Primary output maximum range	0.25 – 10V (configurable through user software.)
Primary output accuracy	±1% @ 50% FSD (full scale deflection) 20°C
Primary volumetric output	Configurable through user software. Tank profiling Wizard or CSV file upload
Secondary output (option N)	Open collector output 50V / 1a max switch to ground (V-)
Secondary output hysteresis (option N)	Configurable through user software.
Secondary output (option Y)	0.25 - 4.75V. (0.25V = -40°C, 4.75V = +125°C) (not configurable through GSlevel)
Secondary output accuracy (option Y)	+/-1.5°C between 0°C and +125°C +/-2.0°C between -40°C and 0°C

ELECTRICAL

Supply voltage	5-32VDC
Supply current	<20mA
Interface	Compatible with RS232
Resolution	10 bit (1024 points over measurement range)
Sample rate	100Hz

WIRING

Cable	Flying lead, 1000mm
Number of cores	6 with drain wire
Wire size	26AWG 7/0.15
Sleeving	XLPE

ENVIRONMENTAL

Ingress Protection	IP68
Shock tested to	BS EN 60068-2-27 (half-sine pulse 25g, 6ms 1000 shocks (positive and negative) in each 3 axis)
Vibration tested to	Resonant frequency search 5 to 2500Hz @ 0.5g peak
Pressure	10 bar (absolute and differential)
Drop	1m (in packaging) on all 3 sides
Thermal shock	to BS EN 60068-2-14, test Na
Dry heat	to BS EN 60068-2-2, test Bb
Cold	to BS EN 60068-2-1, test Ab
Damp heat	to BS EN 60068-2-30, test Db
EMC immunity	BS EN 60945, BS EN 61326 and BS EN 61000-6-1/2/3/4

MECHANICAL

Lengths available	100-750mm
Mounting options	1 hole, 2 hole, 3 hole, 5 hole and M22x1.5 threaded
Sealing options	Panel gasket or o-ring
Cable exit options	Top or Side
Weight	36.5 g (100mm probe with 1000mm cable) +0.34g per additional mm (probe)

LIQUIDS

Fuels	Diesel, Gasoline, Biofuels
Oils	Hydraulic, Gear, Motor, Vegetable, Synthetic Ester, Polyalphaolefin, Polyglycol
Coolants	Ethylene Glycol, Water
Other	Salt water

ORDERING

Length Range (mm): 1 = 100 - 250 2 = 251 - 500 3 = 501 - 750	Cable Exit: S = side exit T = top exit	Secondary Output: Y = temperature N = switch	Mounting Adaptors: 0 = no adaptor A = 1 hole B = 2 hole C = 3 hole D = 5 hole E = M22 x 1.5 thread
Exact Length (mm):			
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> More information at gillsc.com

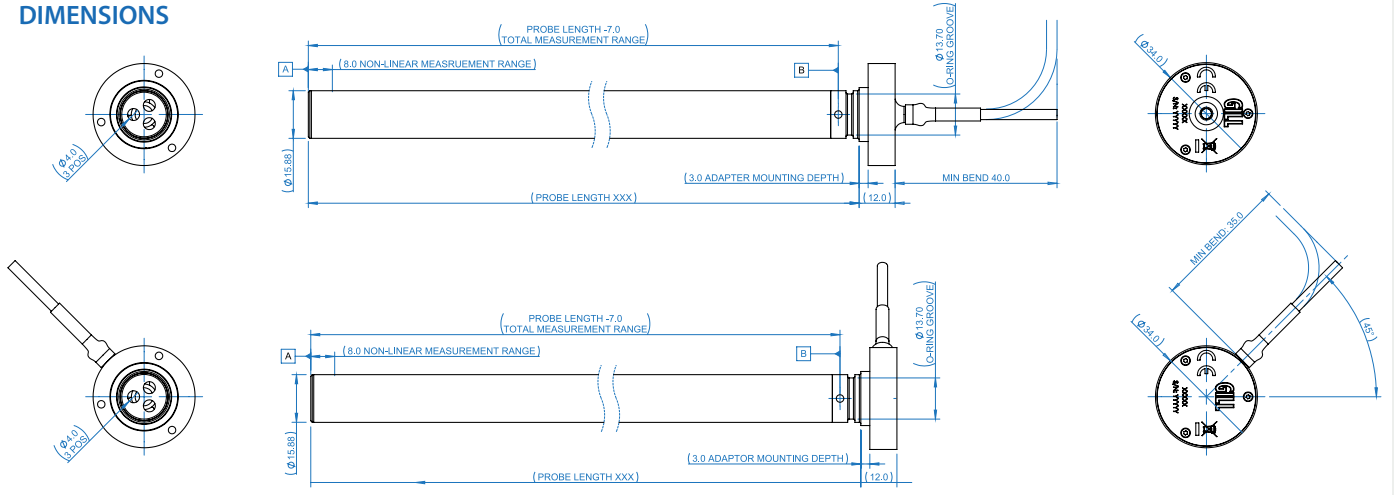
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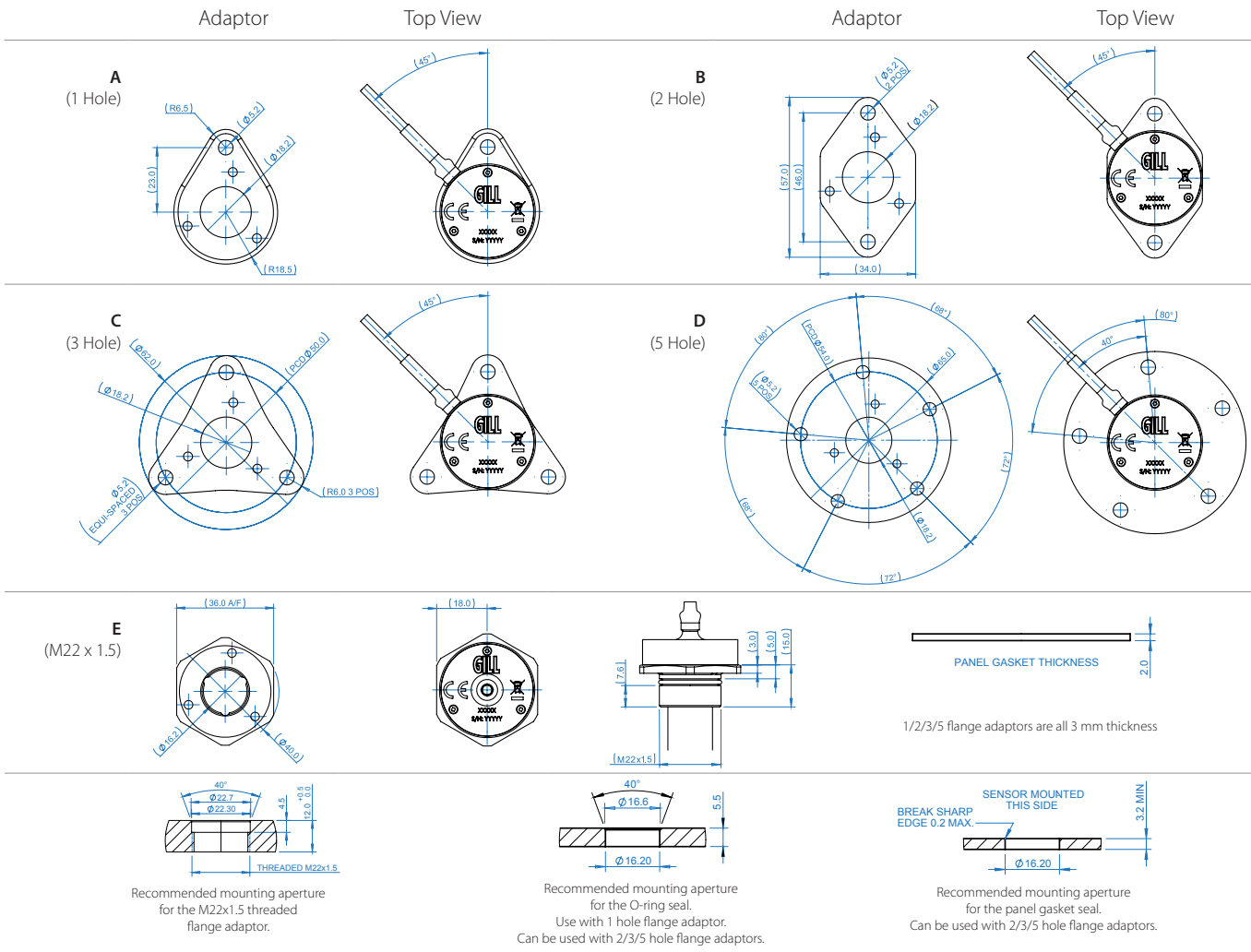


Sensors & Controls

DIMENSIONS



MOUNTING FLANGES



WIRING DESIGNATION

Red	+V
Black	-V (Ground)
Orange	Primary Output
Blue	Secondary Output
Green	Rx
White	Tx

USB - RS232 ADAPTOR (Part number 1484-00-086)

USB - RS232 Adaptor		Sensor	
Red	Black	Red	Black
Black	Yellow	White	Green
Yellow	Orange		
Orange			