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 0.25 - 4.75V

standard range Range is Datum A to Datum B (see drawing overleaf)

Primary output

(configurable through user software. maximum range

±1% @ 50% FSD (full scale deflection) 20°C **Primary output**

accuracy

Configurable through user software. Tank profiling **Primary**

Wizard or CSV file upload volumetric output

Secondary output Open collector output 50V / 1a max switch to ground

(option N)

Configurable through user software. Secondary output

hysteresis (option N)

Secondary output (option Y)

0.25 - 4.75V. $(0.25V = -40^{\circ}C, 4.75V = +125^{\circ}C)$ (not configurable through GSlevel)

+/-1.5°C between 0°C and +125°C Secondary output

accuracy (option Y) +/-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 26AWG 7/0 15 Wire size

XI PF Sleeving

ENVIRONMENTAL

Ingress Protection

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 to BS EN 60068-2-30, test Db Damp heat

EMC immunity BS EN 60945, BS EN 61326 and BS EN 61000-6-1/2/3/4

MECHANICAL

Lengths available 100-750mm in 1mm steps

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

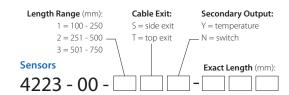
Oils Hydraulic, Gear, Motor, Vegetable, Synthetic Ester,

Polyalphaolefin, Polyglycol

Coolants Ethylene Glycol, Water

Other Salt water

ORDERING

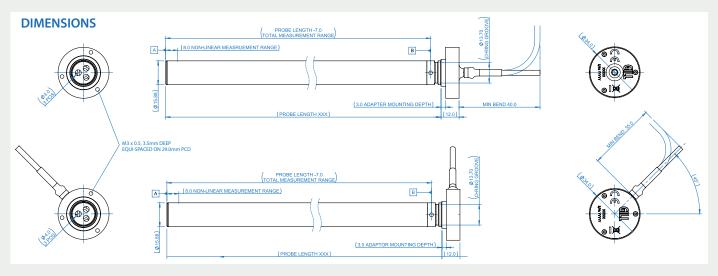


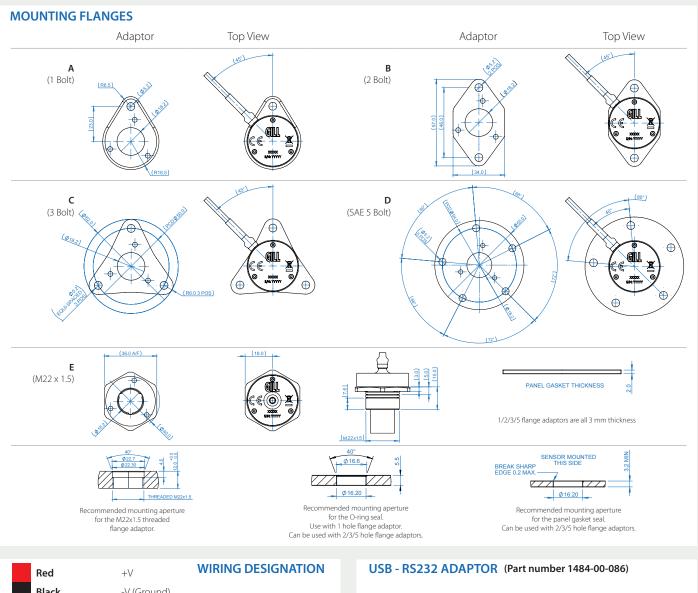
A = 1 bolt B = 2 boltC = 3 boltD = SAE 5 bolt **Adaptor Kits** $E = M22 \times 1.5$ thread 4223 -10 -





0 = no adaptor





Red	+V WIRING DESIGNATION	USB - RS232 ADAPTOR (Part number 1484-00-086)	
Black	-V (Ground)		
Orange	Primary Output	USB - RS232 Adaptor Sensor	
Blue	Secondary Output	Red Red	
Green	Rx	Black Black	
White	Tx	Yellow White	
Silver	Drain Wire	Orange Green	
Green White	Rx Tx	Black Yellow White	