

# 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

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

## ELECTRICAL

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

## WIRING

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

## ENVIRONMENTAL

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

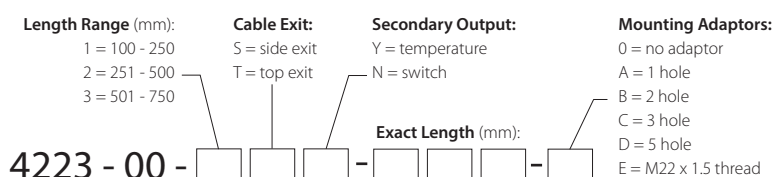
## MECHANICAL

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

## LIQUIDS

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

## ORDERING



More information at [gillsc.com](http://gillsc.com)

E support@gillsc.com  
T +44 (0)1590 613900

**Herbertek** www.herbertek.se  
info@herbertek.se +46-18 590510

**GILL**  
Sensors & Controls

