

# Reliable, maintenance-free waste liquid level measurement

- Suitable for all water-based liquid waste
- Non-stick coating
- Continuous measurement
- Compensates for irregular shaped tanks
- No holes to block
- No moving components



## SPECIFICATION

<b>Primary Output Accuracy</b>	+/-10% FSD @ 20°C
<b>Thermal Drift</b>	<10% FSD over full temperature range

## ELECTRICAL

<b>Supply voltage</b>	+6 to +32V DC
<b>Over Voltage Protection</b>	50V DC
<b>Supply Current</b>	<40mA
<b>Reverse Polarity Protection</b>	-32V DC
<b>Resolution</b>	12 bit (4096 points over measurement range)
<b>Output Update Rate</b>	100Hz (Resistive) 10Hz (0-10V & 4-20mA)
<b>Configuration Interface</b>	Accessible via local micro USB port
<b>Primary (Volumetric) Output</b>	Configurable through user software using tank profiling or file upload
<b>Secondary (Switch) Output</b>	Open collector output 50V / 0.5A max switch to ground (V-)
<b>Secondary Output Hysteresis</b>	Configurable through user software

## RESISTIVE OUTPUT

<b>Primary Outputs</b>	10-180Ω or 240-33Ω selectable through user software
<b>Standard Range</b>	Datum A to Datum B (see Dimensions)
<b>Primary Output Maximum Range</b>	10-1000Ω or 1000-10Ω Configurable through user software

## ORDERING

<b>Length Range (mm):</b> 1 = 50 - 500mm 2 = 510 - 1000mm 3 = 1010 - 1500mm 4 = 1510 - 2000mm	<b>Output Type:</b> K = voltage L = current M = resistive	<b>Mounting thread:</b> A = 1.25" BSP
<b>Exact Length (mm):</b>		
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## ENVIRONMENTAL

<b>Ingress Protection</b>	IP66 / IP68 / IP69k to EN60529
<b>Operating Temperature</b>	-40°C to +85°C (without cable)
<b>Humidity</b>	93% RH at 40°C EN60945
<b>EMC</b>	EN60945 (Marine) EN61000-6-3 (Light Industrial) EN61000-6-2 (Heavy Industrial) EN61326-2-1 (Measurement Control)
<b>Corrosion Resistance</b>	Marine grade stainless steel 316 construction
<b>Differential Pressure</b>	10 Bar
<b>Absolute Pressure</b>	5 Bar
<b>Compatible Media</b>	All water based liquid waste
<b>Venting</b>	Use in vented tanks only

## MECHANICAL

<b>Wetted Materials</b>	Stainless steel 316, FEP, EPDM
<b>Probe Length</b>	Range 1: 250, 350 or 450 mm Range 2: 600, 800 or 1000 mm Range 3: Custom 50 to 2000mm (MOQ applies)
<b>Tank Seal Options</b>	EPDM O-ring or Klingsil panel gasket
<b>Cable</b>	Marine standard screened cable (temperature rating -40°C to +75°C)
<b>Cable Pull</b>	3 axis, 50N

## VOLTAGE OUTPUT

<b>Primary Output Standard Range</b>	0.25 - 4.75V DC*
<b>Primary Output Maximum Range</b>	0.25 - 10V DC* Configurable through user software

\* Supply voltage to be at least 0.5 V greater than the required output voltage

## CURRENT OUTPUT

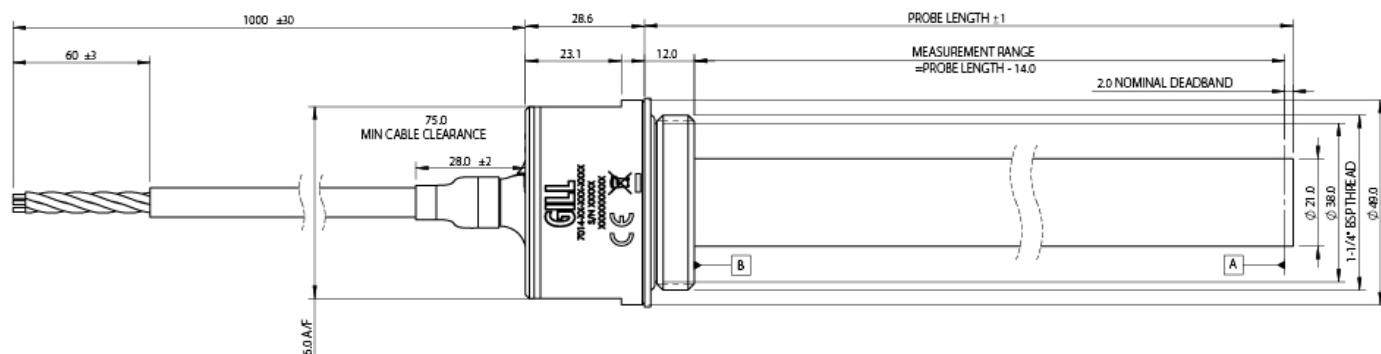
<b>Primary Output Standard Range</b>	4-20mA Range is Datum A to Datum B (see Dimensions)
<b>Primary Output Maximum Range</b>	4-20mA Configurable through user software

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

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## DIMENSIONS



## WIRING DESIGNATION

Black	-V (Ground)
Red	+V
Blue	Switch Output
Silver	Bare drain wire
White	Output