

# Versatile, robust liquid level measurement

- Compatible with water, saline, fuels, oils & chemicals
- Stainless Steel construction
- No moving parts for high reliability
- Bolt or thread mounting
- Accuracy +/-2% FSD
- Factory calibrated



## GENERAL SPECIFICATION

<b>Accuracy</b>	±2% FSD @ 20°C
<b>Linearity</b>	±2% FSD @ 20°C
<b>Operating Temperature</b>	-40°C to +125°C
<b>Humidity</b>	93% RH @ 40°C
<b>Pressure</b>	10 Bar (Differential and Absolute)
<b>Compatible Media</b>	Fresh water, Saltwater, Ethylene Glycol, Gasoline, Unleaded, LRP, Diesel Please consult Gill for other liquids.
<b>Seal Materials</b>	Fluorosilicone O-rings Klingersil gasket
<b>Ingress Protection</b>	IP66, IP68
<b>EMC</b>	EN 610000, EN 61326, EN 60945

## OUTPUTS

<b>Voltage (factory setting)</b>	0.25V - 4.75V
<b>Maximum Voltage Range</b>	0.25V - 10.0V
<b>Current</b>	4-20mA
<b>Switch</b>	Open collector output 50V / 1A max Switch to ground

## MECHANICAL

<b>Construction Materials</b>	Stainless Steel 316, FEP, PEI
<b>Probe Length</b>	100mm to 2000mm (in standard increments)
<b>Mounting Options</b>	SAE 5-bolt, 1.125" UNF or 1.25" BSP threaded
<b>Weight</b>	From 300g (dependant on length)
<b>Cable</b>	20 AWG Type 44, DR25
<b>Cable Tail Length</b>	1000mm

## ELECTRICAL

	<b>Voltage</b>	<b>4-20mA</b>
<b>Supply Voltage</b>	+5 to +32VDC	+9 to +32 VDC
<b>Over Voltage Protection</b>	>32 VDC	>32 VDC
<b>Supply Current @ 12 VDC</b>	<15mA	<40mA
<b>Reverse Polarity Protection</b>	to -32 VDC	to -32 VDC
<b>Resolution</b>	10 Bit	10 Bit
<b>Report Rate</b>	100 Hz	100 Hz
<b>Sensor Configuration</b>	Accessible via USB	Accessible via USB

## ENVIRONMENTAL

<b>Ingress Protection</b>	IP66, IP68
<b>Thermal Shock</b>	EN60945
<b>Operating Temperature</b>	-40°C to +125°C (cable rated to +75°C)
<b>Humidity</b>	93% RH at 40°C EN60945
<b>Corrosion resistance</b>	Stainless steel 316 construction
<b>Vibration</b>	EN60945
<b>Pressure</b>	10 Bar (differential & absolute)
<b>Seal Material</b>	Nitrile (O-ring & Gasket)
<b>EMC</b>	EN60945

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

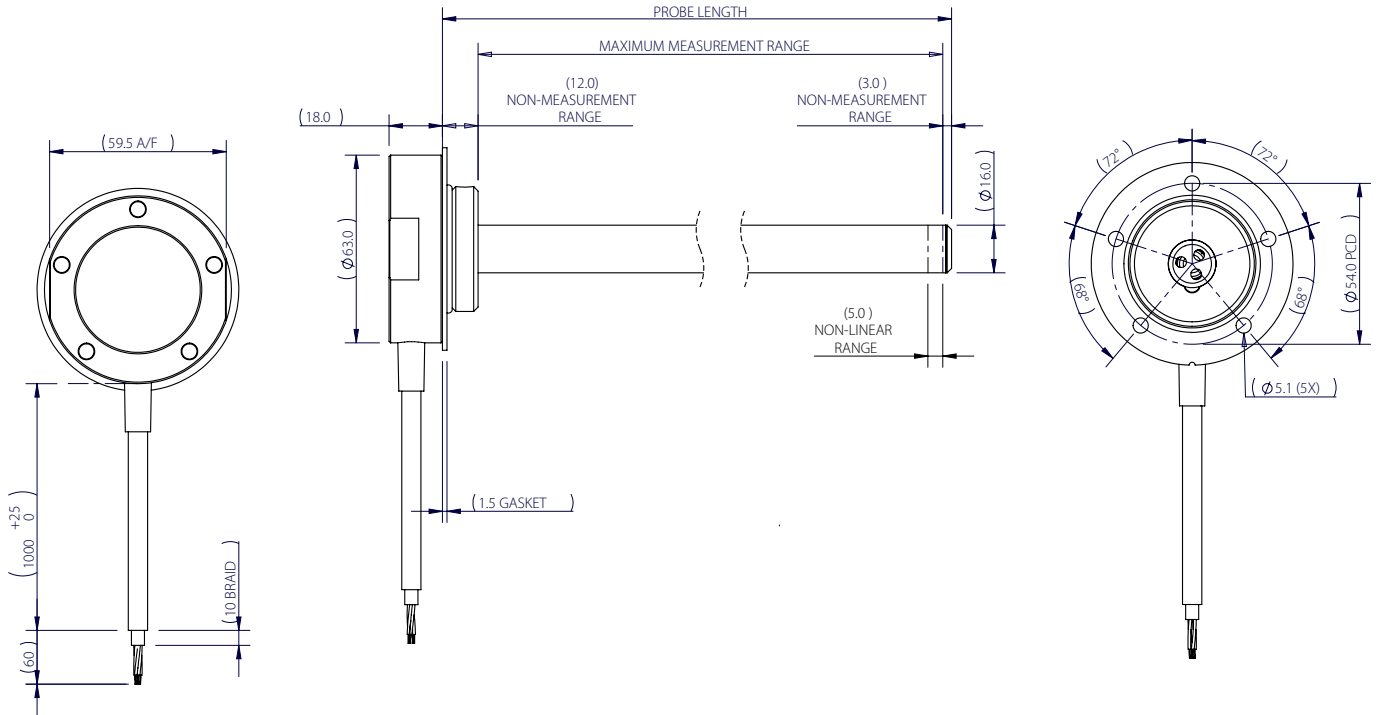
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**GILL**

Sensors & Controls

**DIMENSIONS**



**ORDERING INFORMATION**

- Length Range (mm):**  
 1 = 100 - 500 (Increments of 25mm)  
 2 = 550 - 1000 (Increments of 50mm)  
 3 = 1100 - 1500 (Increments of 100mm)  
 4 = 1600 - 2000 (Increments of 100mm)
- Output Type:**  
 K = Voltage (0-10V)  
 L = Current (4-20mA)
- Mountings:**  
 A = 5 bolt SAE & 1.25" BSP thread  
 B = 5 bolt SAE & 1.125" UNF thread

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**Exact Length (mm):**

**WIRING DESIGNATION**

	<b>Red</b>	+V
	<b>Black</b>	-V (Ground)
	<b>Orange</b>	Primary Output
	<b>Yellow</b>	Secondary Output
	<b>Green</b>	Rx
	<b>White</b>	Tx
	<b>Silver</b>	Drain wire

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

<b>USB - RS232 Adaptor</b>		<b>Sensor</b>	
	<b>Red</b>		<b>Red</b>
	<b>Black</b>		<b>Black</b>
	<b>Yellow</b>		<b>White</b>
	<b>Orange</b>		<b>Green</b>