

Level measurement for highly viscous or corrosive liquids and liquids with suspended solids



- Suitable for all high viscosity conductive fluids
- Ideal for thick, slurried or corrosive liquids
- No holes or moving parts to be affected by suspended solids
- Non-stick coating allows use with sticky and viscoelastic liquids
- FEP coating unaffected by corrosive and aggressive media

SPECIFICATION

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

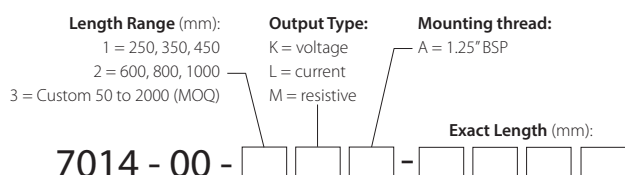
ELECTRICAL

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

RESISTIVE OUTPUT

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

ORDERING



ENVIRONMENTAL

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

MECHANICAL

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

VOLTAGE OUTPUT

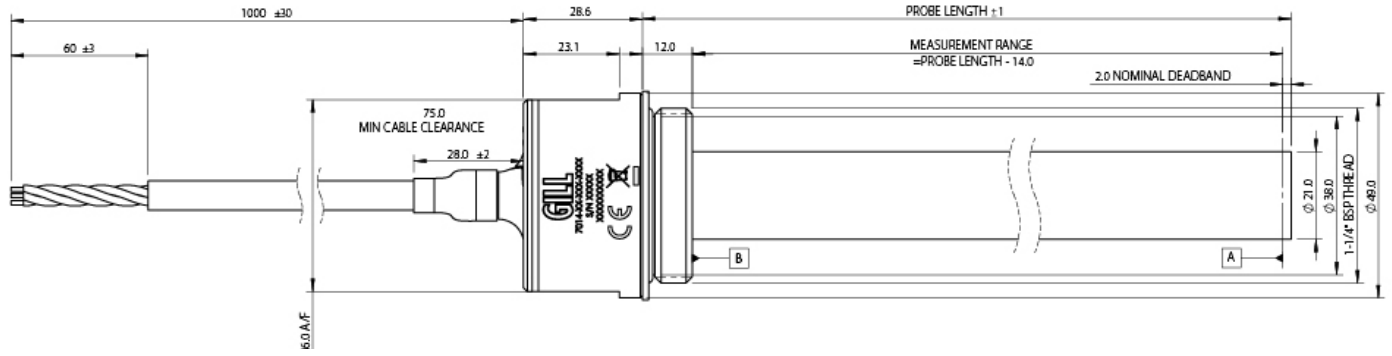
Primary Output Standard Range	0.25 - 4.75V DC*
Primary Output Maximum Range	0.25 - 10V DC* Configurable through user software

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






CURRENT OUTPUT

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

DIMENSIONS



WIRING DESIGNATION

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