

GWK Electronics Ltd

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Series 600 - Self Powered Tank Contents Gauge

No pneumatic or electrical power required

Completely safe in hazardous environments

Sensor fully submersible or externally mounted

Simple and versatile installation

Sea Water, Oil and Chemical Resistant

Marine Certifications (LRS, GL, DNV, BV, RMRS, etc.)

Global Engineering Support (44 locations)



Description

The GWK Series 600 Self Powered Tank Contents Gauges have been designed specifically for Marine and Industrial applications. The instruments are completely automatic and provide remote continuous indication of tank contents.

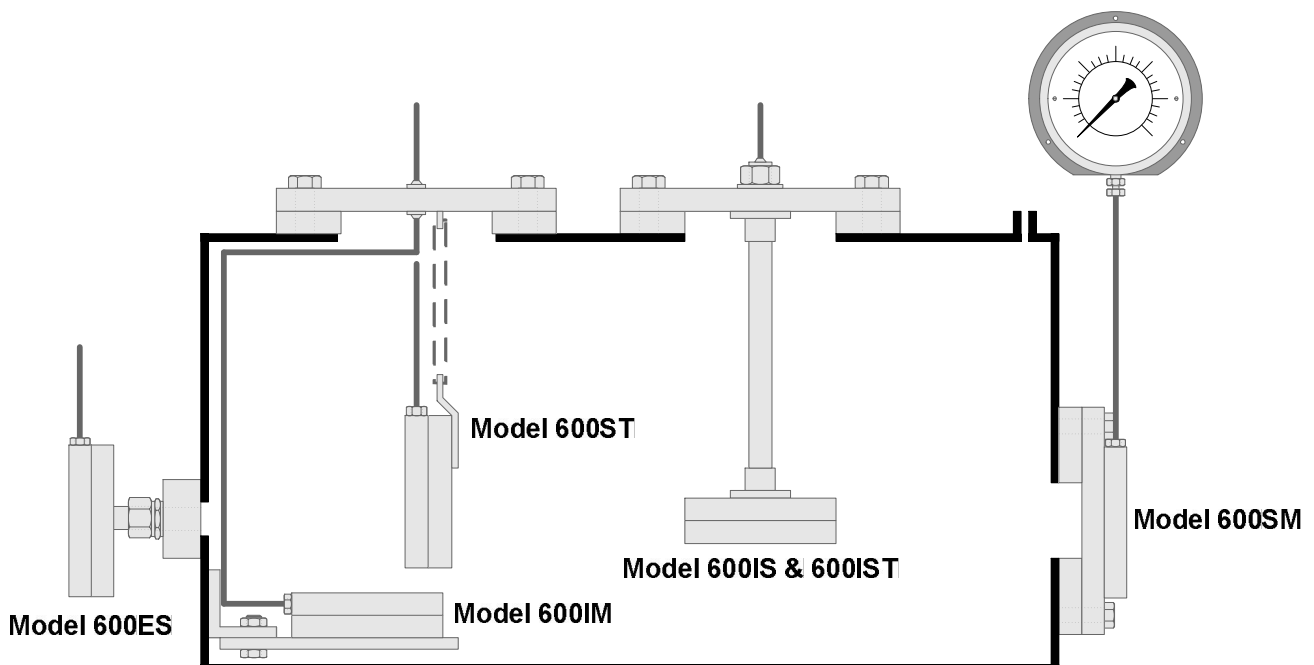
Tank sensors are available in a variety of materials (Mild Steel is used for Oils, Brass for Fresh Water and Stainless Steel for Sea Water and harsh Chemicals).

The versatile methods of mounting and positioning of the sensor, internally or externally, meet all installation requirements. Detachable capillary is optional.

Indicators are of Stainless Steel construction. Calibration may be in any unit of mass, volume or depth of liquid. Each scale is individually calibrated and hand painted to ensure a high degree of accuracy. Dual scales are available as required.

The mounting adaptability of the Series 600 makes it ideally suited for use in all tanks onboard ship, and for a wide range of industrial applications from Water to stringent Chemical processes.

Installation – Mounting Options



Technical Data

Measurement characteristics

Pressure range	0...0.3 to 0...60 mH ₂ O
Overpressure	Minimum 100% FS
Accuracy	<1% FS

Indicator

Dial Size	100mm 160mm
Scale	Individually hand painted Dual scale available

Temperature characteristics

Operating Temperature	-30°C...175°C
Storage Temperature	-30°C...175°C

Capillary

Max Length	50m (40m with 2 indicators)
Detachable	Yes (at either sensor or indicator)

Materials specification

Sensor Body	Brass, Mild Steel, Stainless Steel
Indicator	Stainless Steel
Capillary - Internal	Copper sheathed in Stainless Steel tube
- External	Copper sheathed in Terylene reinforced PVC tube

Sensor Connections

External - Model 600ES	¾" BSP running nut
- Model 600SM	DN80 Flange
Internal - Model 600IM	U plate bracket
- Model 600IS	Pole (fixed to flange)
- Model 600IST	Pole (¾" BSP male thread)
- Model 600ST	Chain suspension

Electrical specification

Power Supply	None required
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Physical characteristics

Weight - Model 600ES	5Kg
- Model 600IM	12Kg
- Model 600IS	12Kg
- Model 600IST	12Kg
- Model 600SM	7Kg
- Model 600ST	6Kg

Dimensions	See schematics
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Calibration

Any unit of mass, volume, depth of liquid

Ordering Details

Please specify the following information when requesting a quotation or placing an order:

Tank Name	Tank Text	Example
Model	ES, IM, IS, IST, SM, ST	ES
Indicator Type	Wall, Panel Mounted	Wall Mounted
Indicator Size	100mm, 160mm	160mm
Capillary Length - Internal	m (Model IM only)	-
- External	M	3m
Scale	m, m ³ , litres	m³
Range - Linear	L, W, H	-
- Non-Linear	Tank Tables	See Tank Tables
Sensor Height	Mm	50mm
Liquid	Water, Oil, etc.	Sea Water
Specific Gravity	Fresh Water = 1.00	1.025
Temperature	°C	20°C
Optional Extras	Bulkhead Fitting	-
Type Approval	LR, GL, BV, DNV, etc.	LR