

BAYCEE 600 CONTENTS GAUGE FOR NH₃ TANKS

Bayham Baycee 600 float operated contents gauges are designed to give many years reliable service with little or no maintenance.

Every gauge body and float is pressure tested to 700 psig (48 bar) prior to assembly. The magnetic drive mechanism between the mounting flange and the dial chamber runs through a gas purged sealed tube to prevent ice build-up.

Maintenance or changes to the gauge head assembly can be carried out without having to empty the tank. This means that a direct reading gauge can be easily converted to a remote reading gauge while the tank remains in service. It is recommended that the gauge function is checked during tank inspections and any worn parts replaced.

Two versions of the Baycee are available:

- Type: Baycee 600 direct reading gauges.
- Type: Baycee 600SR direct reading gauges with optional integral micro switches. for level alarms or with a precision potentiometer or a loop powered 4-20 mA transmitter for remote monitoring.

A complimentary range of panel mounted modules are available for additional level alarm control plus remote indicators with calibrated dials to match the Baycee local dial.

The 150mm local dial can be supplied with standard graduations in %, m³, Kg or Tonnes.

Applications

- Bulk NH₃ Storage Vessels
- Mobile Tankers

Features

- Robust Construction
- Magnetic coupling through Mounting Flange - Leak Proof
- Mechanically Polished Wetted Parts for High Purity Applications
- Remote Reading and Integral Level Switch Options



Technical Specifications

Gauge body:	Polyester Coated Aluminium
Dial Window:	Lexan
Flange and Float:	Stainless Steel
Gear Assembly:	16/40 or 11/40 Stainless Steel
Maximum float arm angle:	120 degrees (end mounted), 82.5 degrees (side mounted)
Maximum pointer travel:	300 degrees
Pressure rating:	30 bar (48 bar test pressure)
Temperature range:	-40 °C to +80 °C
Micro switch contact rating:	250 Vac / 4 A resistive
Continuous outputs:	1000 Ohm potentiometer or 4-20 mA loop powered (nom. 24 Vdc)

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Information required when specifying:

1. Gauge Type
2. Tank Dimensions
3. Mounting Position of Gauge
4. Operating Conditions
5. Dial Calibration Units i.e. fractions, %, litres, etc.
6. Application - Static or Mobile
7. Baffle/Stay details (if applicable)
8. Details of Switching Levels (if required)
9. Type of remote monitoring (if required)
10. Power supply available



Bayham manufacture and supply gauges for a wide range of markets and applications. Please feel free to contact us for further information or guidance on specifying the correct gauge to suit your exact requirements.