

## LP580 CONTENTS GAUGE FOR LPG TANKS

Bayham LP580 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.

Three versions of the LP580 are available:

- Type: LP580 direct reading gauge with options for integral level switches or remote reading for side mounting.
- Type: LP580 direct reading top mounting gauge with optional right angled dial assembly.
- Type: LP581 direct reading gauge for recessed mounting.



150mm or 250mm local dial options can be supplied with standard graduations in %, m3, Kg or Tonnes.

### Applications

- Bulk LPG Storage Vessels
- Mobile Tankers

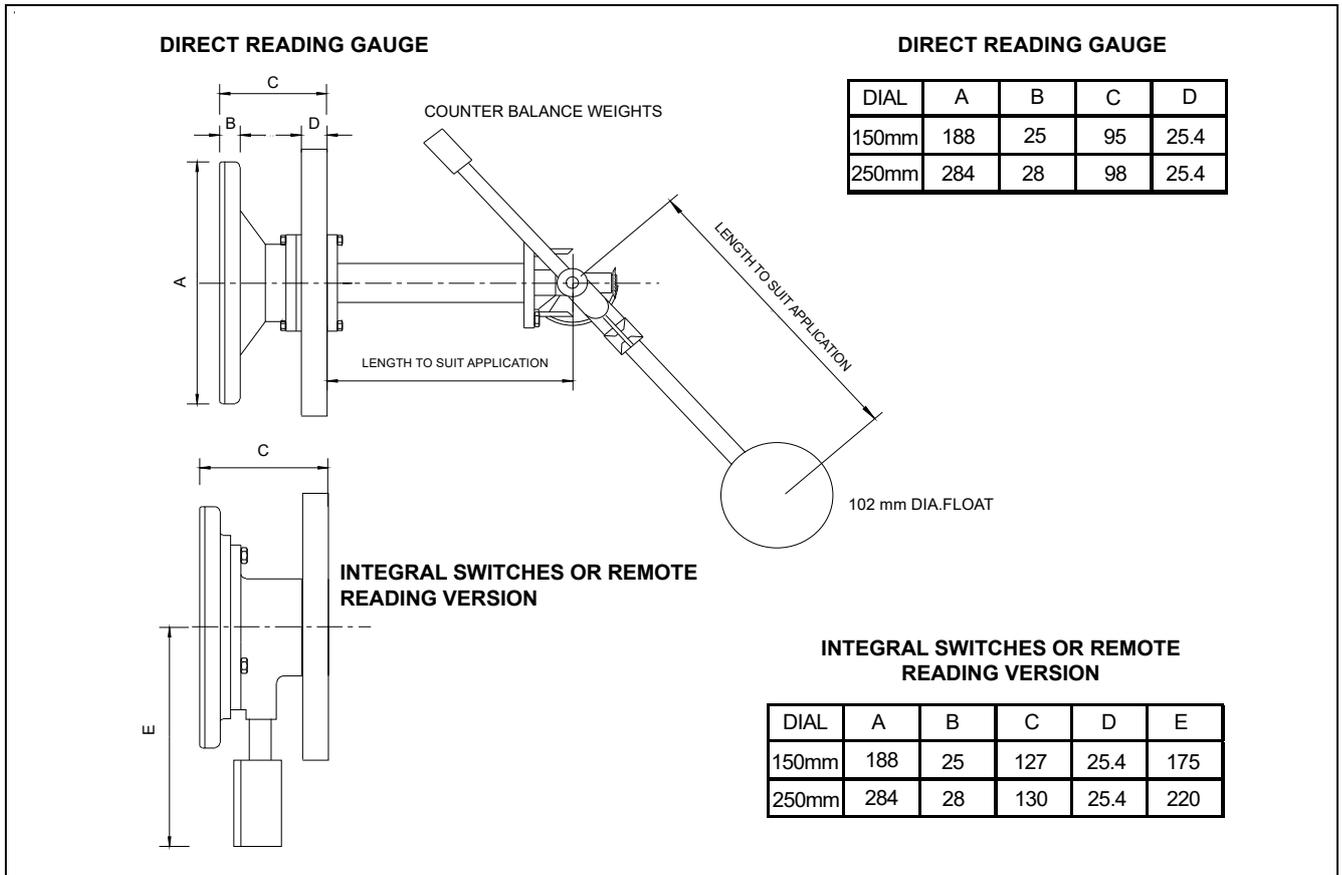
### Features

- Robust Construction
- Magnetic coupling through Mounting Flange - Leak Proof
- Remote Reading and Integral Level Switch Options
- Recessed Mounting Option
- Top or Side Mounting

### Technical Specifications

Gauge body:	Polyester Coated Aluminium
Dial Window:	Glass
Flange and Float:	Stainless Steel
Gear Assembly:	16/40 or 11/40 ratio in Al and SS or all 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

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### ADDITIONAL DRAWINGS

Drawing No.	Description
S.4764/2	Top mounting LP580 with right angle dial housing.
S. 4764/3	Side mounting LP580.
S.4764/4	Top mounting LP580.
S.4764/5	Side mounting LP580 with integral level switches or potentiometer for remote reading.
S.4764/6	Top mounting LP580 with integral level switches or potentiometer for remote reading with right angle dial housing.
S.4764/7	Top mounting LP580 with integral level switches or potentiometer for remote reading.
S.5056	Type LP581 for recessed mounting.

### 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.