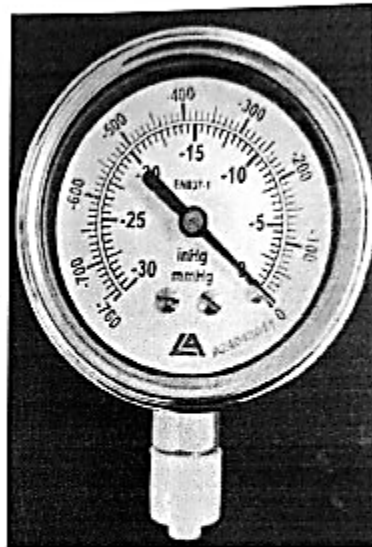


TECHNICAL SPECIFICATIONS **Vacuum Gauge (Analog type)**

Budget Code
 27/877

Analog Vacuum Gauge – Technical Specification

Parameter	Specification
Instrument Type	Analog Vacuum Gauge
Measurement Range	0 to -760 mmHg (or 0 to -30 inHg)
Accuracy	±1.6% of Full Scale (Class 1.6) or better
Dial Size	100 mm (4 inch) nominal diameter
Case Material	Stainless Steel (SS304)
Measuring Principle	Bourdon Tube
Bezel/Border/Ring	SS304, Bayonet type
Window	Safety Glass or Polycarbonate
Wetted Parts	Brass or Stainless Steel (SS316 for corrosive service)
Connection Size	1/2" NPT (Male) or 1/4" NPT/BSP (as required)
Connection Location	Bottom
Pressure Element	Brass / SS316 Bourdon Tube
Movement	Brass with Stainless Steel components
Pointer	Black Aluminum Pointer
Dial	White Aluminum with Black Markings
Filling	Dry or Glycerin Filled (optional)
Operating Temperature	-20°C to +60°C
Storage Temperature	-40°C to +70°C
Process Medium	Air, Gas, Water, Oil, and other non-crystallizing, non-corrosive media (SS316 for corrosive media)
Mounting	Direct Mount
Calibration	Factory Calibrated with Calibration Certificate (optional)
Standards	EN 837-1 / ASME B40.100 (as applicable)
Quantity	03 Nos



Optional Features

- Glycerin or silicone liquid-filled case for vibration resistance.
- SS316 wetted parts for corrosive environments.
- Custom dial scales (psi, mmHg, inHg).

Special Terms & Conditions:

Bidder should submit the technical detail, specification, data sheet and product catalogue along with the bid. ~~Other~~ the bid will be treated as non-compliance.

Items should be properly packed as per OEM standards and with all information available about the product. **Manufacturing** date, specifications etc.

2. The delivered product may be tested at Site Acceptance Test (SAT) in the presence of successful bidder.

3. The bidder shall clearly specify the brand, country of origin, and model number of offered product in the Request for Quotation (RFQ) submission. Failure to provide this information may result in the bid being considered non-compliant.



Budget Case

27/817

TECHNICAL SPECIFICATIONS

TDS & pH Meter (Digital Type)

Combo 2-in-1 pen meters exist that measure both pH and TDS in a single device for a standard, portable pen-style pH and TDS meter.

pH Meter Specifications

- **Measurement Range:** 0.00 – 14.00 pH
- **Resolution:** 0.01 pH
- **Accuracy:** ± 0.05 pH
- **Calibration:** Automatic 3-point calibration (pH 4.00, 6.86, 9.18)
- **Temperature Compensation:** Automatic (ATC) from 0°C – 60°C

TDS Meter Specifications

- **Measurement Range:** 0 – 9990 ppm (parts per million)
- **Conductivity Range:** 0 – 9990 $\mu\text{S}/\text{cm}$ (micro Siemens)
- **Resolution:** 1 ppm / 1 $\mu\text{S}/\text{cm}$ (switches to 10 ppm increments above 999 ppm)
- **Accuracy:** $\pm 2\%$ full scale
- **Modes:** TDS, pH, EC (Electrical Conductivity), & Temperature
- **Quantity:** 03 Nos.



- **Battery:** 3 x 1.5V (LR44) button cells due to the extra power needed for dual sensors.
- **Backlight Alert:** Many models change screen colors (e.g., green for safe readings, red for high levels).
- **Dual Probes:** Built with a glass bulb electrode (for pH) and metal pins (for TDS/EC) housed in the same tip

