

Tubular Level Gauges - Shielded



Model 834

These Shielded Gauges provide you with safe viewing of fluid levels in your tank and a wide option of scales.

This design is simple to install and provides additional gauge glass protection. Glass protection is assured by a metal housing with a Polycarbonate face that protects the glass tube.

The standard tube is Clear Glass (borosilicate) and can be furnished as Redline Glass, Polycarbonate, PVC, or Acrylic tubing.

Both gauges can be mounted with **Model 324 Proximity Switches** for High and Low Level Alarms. (See Pages 31)

Multiple sections of gauge glass are spliced together to meet the higher-pressure ratings up to 300 PSIG. (See Page 42 for glass pressure ratings). Some applications can be rated to 400°F with reduced pressures.



Model 833

Scales Available:

- Height Scale in Inches
- Rate Scale ML/M & Qts/24 Hrs. 1/4" increments.
- Metric Rate Scale ML/M & Liters/24 Hrs. cm increments
- Custom Scales

Model 834 is designed for use with tubular gauge valves. The valve stuffing box packing tightens around the nozzles to avoid glass breakage from overtightening. (For valve selection, See Pages 26 through 30). If this gauge is replacing a tubular glass, the gauge will be the same length as the glass being replaced. The glass diameter is 5/8"OD.

Model 833 is designed in two connection sizes. The Model with 1/2" NPT Male ends has a 5/8"OD borosilicate glass. It has a plastic vent cap on the top connection that can be removed. This Model can be made up to 25 feet. The Model with 1" NPT Male ends has a 1"OD borosilicate glass. This Model can be made up to 100".

Features

- ◆ Gauge Lengths up to 25 Feet
- ◆ Easy Installation of One Piece
- ◆ Full Glass Protection
- ◆ 3-Sided Metal Frame with Clear Polycarbonate (Lexan) Shield
- ◆ Made to Customer Specifications

Ratings

- ◆ Pressures up to 300 PSIG
- ◆ Temperatures up to 400°F

Materials (Body)

- ◆ Frame: 304 Stainless Steel or Zinc Plated Carbon Steel
- ◆ Wetted Metal: 316 Stainless Steel, Zinc Plated Carbon Steel, PVC
- ◆ Seals: Viton O-Rings (Std.)

Example of How to Order:

834 - .62 - NZ - 48.00 - A T H - 150 - 300

5/8"OD Nozzle = .62
3/4"OD Nozzle = .75

Overall Length-Inches

All Stainless Steel = A
All Carbon Steel = C
316SS Wetted Parts = W
Carbon Steel Frame

Temperature in °F

Pressure in PSIG

L = Clear Lexan Shield
H = Height Scale in Inches
M = Expanded Metal
R = Rate Scale Shield
RH = Rate & Height Scale

V = Viton
T = Teflon
EP = Ethylene Propylene
B = Buna N

Example of How to Order:

833 - .50 - TH - 48.00 - A T H - 150 - 300

1/2" = .50
1" = 1.0

Threaded = TH
Flanged = FL

Overall Length-Inches

All Stainless Steel = A
All Carbon Steel = C
316SS Wetted Parts = W
Carbon Steel Frame
PVC Wetted Parts = PS
304SS Frame

Temperature in °F

Pressure in PSIG

L = Clear Lexan Shield
H = Height Scale in Inches
M = Expanded Metal
R = Rate Scale Shield
RH = Rate & Height Scale

V = Viton
T = Teflon
EP = Ethylene Propylene
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LIQUID LEVEL GAUGES