



Application

The COLM (COntec Level Measurement) 8681 Top Mount Model "Press Fit" Spiral Gauge is designed for use in measuring liquid levels in gasoline, diesel fuel, bio-diesel, hydraulic and lubricating oils where space restrictions prevent the use of a swing-arm style mechanical gauge. It is ideal for medium duty construction & agriculture, lawn & garden, and recreational vehicle applications.

- Field Replaceable Snap-On Fractional Dial
- Solid Construction Head, No-Leakage Path to Dial

The "Press Fit" mounting of the 8681 Spiral Gauge allows a 360 degree orientation of the dial for ease in fuel level monitoring. The "Press Fit" mounting contributes to the gauges adaptability for use in restricted areas. The 8681 "Press Fit" is designed for top mounting utilizing a Nitrile rubber seal (including with the gauge), an easy to read fractional dial, and is available in lengths from 6 to 20 inches.

General Specifications*

Mounting:	Recommended hole size: 1.486" \pm 0.020" (37.75mm \pm 0.50mm). Tank Thickness: 0.079" – 0.394" (2.00mm – 10.00mm)
Accuracy:	Accuracy depends upon gauge sizing. Direct read dials \pm 7%. Accuracy may be less depending upon tank shape. All accuracy estimates are expressed as a percent of full scale.
Temperature Range:	Standard operating range is -40°F to 158°F, -40°C to 70°C
Shock & Vibration:	Suitable for mobile service applications
Tank Pressure:	0 to 6 psig [0 – 1.4 Bar] maximum

Materials of Construction*

Head:	Acetal
Seal:	Nitrile Rubber (Optional Viton Seal)
Guide Rod:	Stainless steel
Centershaft:	Stainless steel
Tie Plate:	Stainless steel
Guide & Bearing Pin:	Stainless steel
Float:	Nitrile Ebonite
Drive Magnetic:	Nylon 12 composite
Standard Dial:	Copolymer, hermetically sealed, gasoline resistant

*Materials and specifications are subject to change without notice. Pressure ratings subject to change due to temperature and other environmental considerations.

