

ECONOLEV LMG100

Magnetic level gauge

K-TEK products

Measurement made easy



The ECONOLEV LMG100 is a magnetic liquid level gauge specifically designed for the OEM / commercial storage tank, and light industrial market. It is engineered to meet most liquid measurement applications where a simple, non custom armored level gauge is required. The ECONOLEV provides an economical solution to traditional exposed glass level gauges.

Features

- Standardized design configuration for simple selection
- Low cost
- 2 in. (50.8 mm) schedule 40, 316SS pipe chamber
- Gauge rated to 13.7 bar (275 psi) (150# flange rating) and 93.3 °C (200 °F)
- Threaded top and bottom gauge and cap design allows easy maintenance
- Clear sealed Lexan tube for shuttle indicator
- Welded, side connected, 1in. NPT-f process connections
- 1/2 in. NPT-f vent and drain connection with plug
- Stainless steel scale indication

Options

- 316SS Threaded end caps (Standard is Carbon Steel)
- Magnetically actuated level switches
- Magnetostrictive level transmitter

Applications

- Diesel Storage tanks
- OEM tanks
- Water Treatment tanks
- Agricultural chemicals
- Most liquid tanks

SPECIFICATIONS

Material of Construction:	
Chamber	2 in. schedule 40 pipe, 316SS, maximum measuring length 15 ft. (180 in., 4572 mm) Threaded NPT, top and bottom. Threaded end caps, carbon steel, painted to prevent external corrosion. 1/2 in. NPT-f vent and drain connections.
Float	1-7/8 in. (47.62 mm) diameter 316SS .80 ... 1.0 specific gravity rated to 18.9 bar (275 psi) @ 93.3 °C (200 °F)
Local Indication	316SS scale and channel, clear, sealed Lexan tube with orange magnetic shuttle indicator
Process Connections	welded 1 in. NPT-f half coupling, 316SS (side connected)

ORDERING INFORMATION

Model Number Configuration

LMG100.a.b.c. Gauge measure length (in inches or millimeters)

a. End Cap Material

C1 - Carbon Steel (STD) with Carbon Steel 1/2 in. NPT plug

S6 - 316 Stainless Steel with Stainless 1/2 in. NPT plug

b. Indicator Scale / Ruler

A1 - feet / inches

A2 - meter / centimeters

c. Specific Gravity Range of Liquid for Float

F1 - 0.8 ... 0.89 (note: potential error of 7/8 in. (22.22 mm) throughout range)

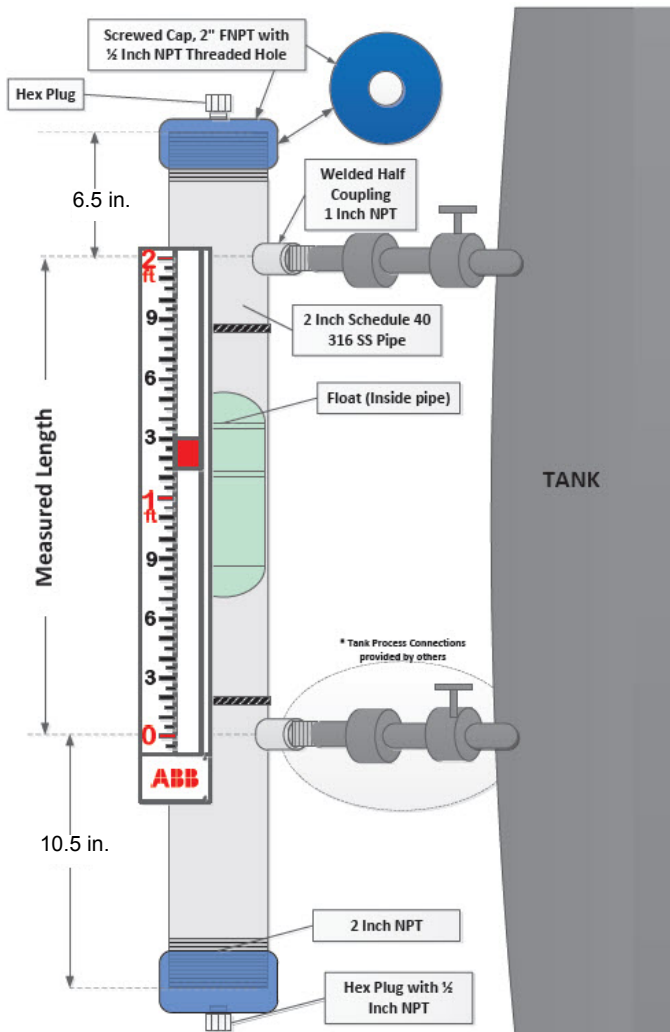
F2 - 0.9 ... 1.0 (note: potential error of 7/8 in. (22.22 mm) throughout range)

Options: Switches: MS30, MS30EX, MS40, MS40EX (See switch datasheet)

Transmitter: AT600 4 ... 20mA output (see transmitter datasheet)

Additional ordering information

NOTE: Gauge measured length (to be specified in inches or millimeters only)



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