

KM26 Magnetic level gauge

Features and benefits

KTEK Products

- ISO 9001: Manufactured under K-TEK's standard quality system which is ISO 9001 certified.
- DESIGNED TO ASME CODE Every KM26: float chamber is designed to meet the ANSI/ASME B31.1, B31.3 or ASME Section VIII whichever is most applicable. Design is by Mechanical Engineers and goes through two levels of engineering review. K-TEK is an ASME Code S, U and UM stamp holder. We are the only manufacturer of MLGs that holds code stamps. Shouldn't your level gauge meet the same design requirements as your vessel and piping system?
- CODE WELDING: All welding procedures and welders are qualified in accordance with the requirements of ASME Section IX. Welding procedures are also qualified in accordance with the requirements of NACE MRO175.
- EXTRUDED PROCESS CONNECTIONS ON CHAMBERS: eliminates sink in distortion and chamber bending during welding. Extruded connections also eliminates two welds for KM26 with flanged process connections and improves quality and reliability.
- ACCURATE LEVEL INDICATION: Each float is designed for the conditions specified and the magnet assembly is placed at the immersion point on the float for the fluid specified. The results are accurate indication of the liquid. This feature is exclusive to K-TEK! Other manufacturers select floats from stock and more often than not they do not indicate the liquid level accurately.
- HIGH BUOYANCY FLOATS: Each float is designed for a minimum available buoyancy that will result in reliable operation even in highly fouling liquids. In other words, the float's specific gravity is always much lower than the process fluid's specific gravity. Other manufacturers use floats with SG's close to the process fluids SG which results in floats sinking or sticking easily.
- HIGH PRESSURE AND LOW S.G. HERMETICALLY SEALED FLOATS K-TEK: manufactures hermetically sealed floats for higher pressures and lower process fluid densities than any other manufacturer. Hermetically sealed floats result in more reliable operation. Many manufacturers use vented floats for high pressure and/or low density applications. As liquids collect in the float they may sink. Hermetically sealed floats are available for pressures to 5000 psig or S.G.'s as low as 0.25.
- 360° MAGNETIC FIELD KM26: floats have magnets around the entire circumference. The indicator, switches and transmitters can be located anywhere on the float chamber. This also results in higher reliability than competitive units that have a single magnet. Indication, switches and transmitter do not fail when float spins in the chamber due to turbulence.
- 180 GRIT I.D. FINISH: The inside of each KM26 float chamber is honed to a 180-grit finish to reduce the friction on the float. The result is reduced hysteresis and a smoother liquid level indication. Wear on the float is also reduced.
- CHOICE OF INDICATORS: Choose from our standard shuttle indicator, yellow & black magnetic bargraph and red & white magnetic bargraph. K-TEK is one of few manufacturers that offers both the shuttle and MBG indicator styles.

- **HERMETICALLY SEALED INDICATOR:** All indicator tubes are hermetically sealed resulting in clear and reliable indication in all types of weather. Many manufacturers' indicators are not hermetically sealed resulting in sticking indicators and unreadable indication due to dirt and condensation collection.
- **FLOAT STOP SPRINGS STANDARD:** All KM26S's have float stop springs in the bottom and top of the float chamber to protect the float from sudden contact with the end of the float chamber such as might be encountered when the KM26 is vented or drained under pressure. The float stop springs also provide a means to stop the float at the minimum and maximum measured level. This provides for positive zero indication which helps distinguish between zero level and a problem.
- **LARGE MATERIAL SELECTION:** Largest selection of materials in the industry. Choose from 304/304L, 316/316L, 321, 347, Alloy 20, Hastelloy C-276, Hastelloy B-2, Incoloy 825, Aluminum, Titanium, PVC, CPVC, Kynar, Fiberglass, Polypropylene, Teflon, Teflon coated SS and any other nonmagnetic material that can be fabricated.
- **STAINLESS STEEL RULER:** A stainless steel graduated scale is standard. Graduations can be our standard feet & inches, running inches, meter & centimeters or custom rulers in percent, liters, gallons, etc. Dual scale rulers are also available.
- **STAINLESS STEEL CHANNEL AROUND INDICATOR:** All indicator tubes are protected by a stainless steel protective channel.
- **LARGE SELECTION OF SWITCHES:** K-TEK has the largest selection of agency approved switches in the industry. Choose from our MS30, MS30/EX, MS40, MS40/EX, and MS41 electrical switches or our PS35 and PS45 pneumatic switches. All electric switches are FM and CSA approved. MS41 is also ATEX approved.
- **CHOICE OF TRANSMITTERS:** Choose from our patented AccuTrak™ AT200 and AT600 high accuracy magnetostrictive transmitters. K-TEK is the only MLG manufacturer that also manufactures a high resolution magnetostrictive transmitter. Both transmitters are FM and CSA approved for I.S. and X-proof installations. These instruments are also ATEX approved for I.S. and flameproof installations.
- **FACTORY INSTALLED INSULATION:** ABB/K-TEK is the only manufacturer in the industry that manufactures and installs removable high temperature insulation and cryogenic insulation in house. High temperature insulation is used both for personnel protection and to extend the use of switches and transmitters to 800°F.
- **QUICK DELIVERY:** Standard shipment for custom units is 6 weeks; however, expedited delivery programs, such as QuikShip, are available for shipment within 3 weeks or less. Since all manufacturing is in-house, K-TEK can deliver quicker than anyone in the industry.

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