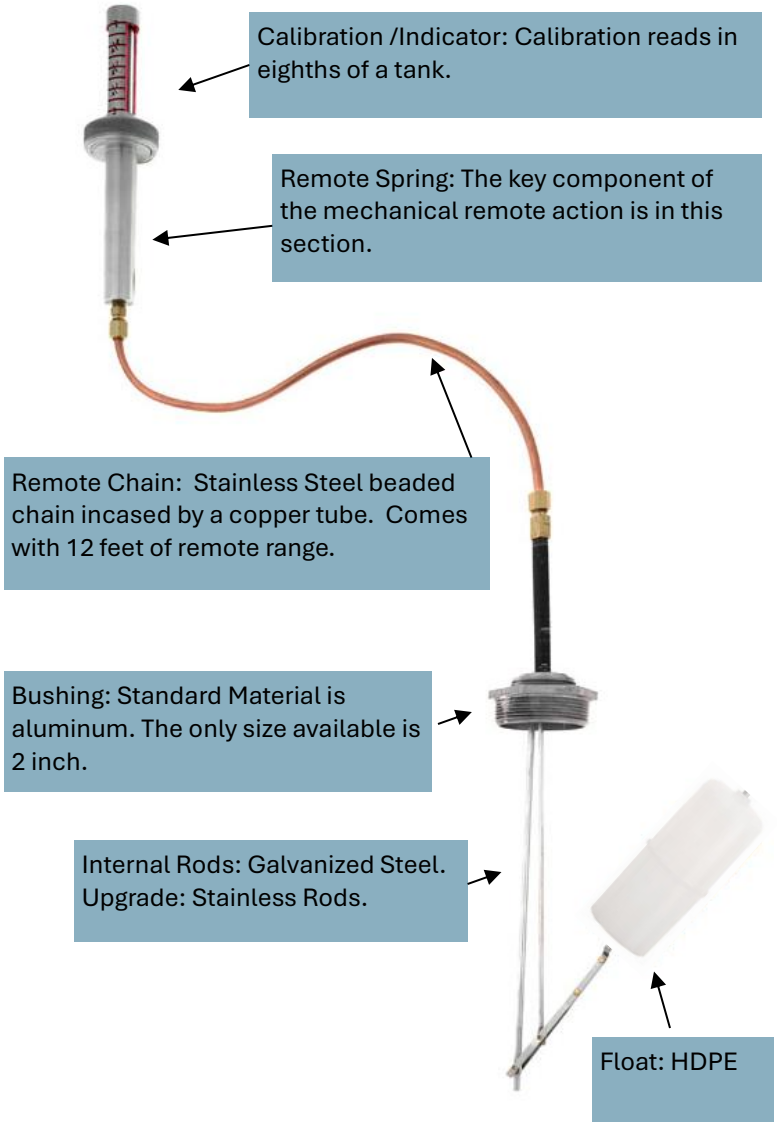
KRUEGER SENTRY GAUGE
1873 SIESTA LANE GREEN BAY, WI 54313 | 920-434-8860 | www.ksentry.com

Remote Reading Gauge – Type DU

Top mounted liquid level gauge that can remotely measure the level of storage tanks. Comes in any size from 14 inches to 144 inches. Can provide remote level indication up to 12 feet away from the tank. Purely mechanical construction, no power or batteries required.



Part Number—
DU-2-(tank depth)-(extension length)-(material options)
Examples:
DU-2-48
DU-2-36-12-S1

Material Options:

- Internal Rods- Galvanized steel rods can be replaced with stainless steel rods. (Part Number add on -S1)
- Gauge is custom made to fit your tank. Specify your tank dimensions when ordering.

FAQ:

Q: How does it work?
A: The float rod is connected to the push rod (internal rods), the push rod is connected to the stainless steel chain, the chain is connected to the red remote indicator, and the indicator rests on top of a spring.
As the float moves down it pulls the chain down which in turn pulls the red indicator down to empty (compressing down on top of the spring).
As the float moves back up it allows the chain to have slack. The spring decompresses, thus pushing the red indicator back up to read full.

Q: Can the remote indicator be placed physically below the gauge?
A: Yes, the remote can be placed anywhere within 12 feet of the gauge, up or down does not matter.

Q: Can we use a different float, or smaller float?
A: No, the weight of the float is very important to the function of the remote gauge.

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Ordering, Installation, Maintenance and Operation

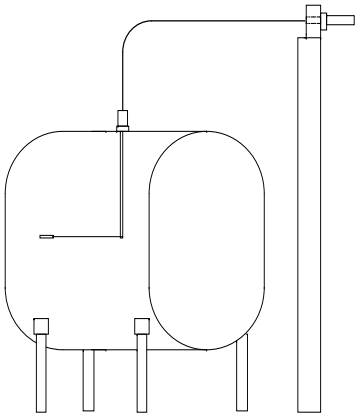


Fig. 1
DU-Outside installation

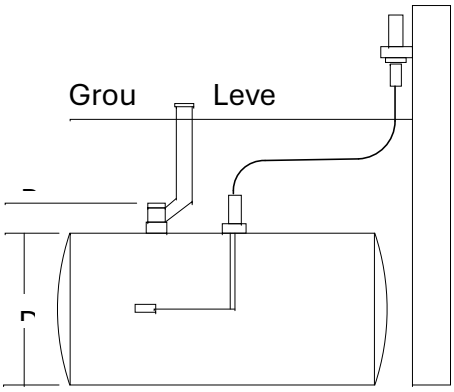


Fig. 2
DU - Underground Installation

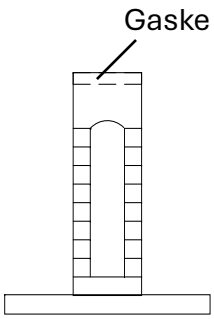


Fig. 3

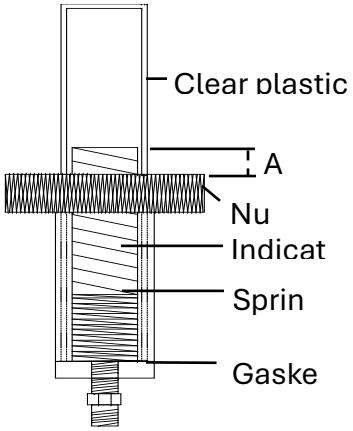


Fig. 4

CAUTION - If it is necessary to cut tubing be sure burs are removed

Above Ground Installation

1. In vertical tank, horizontal tanks, or round tanks, that are empty, or completely full. Just drop assembly into threaded tank opening and screw down threaded bushing. Be sure that the corner of hexagon bushing showing arrow points to center of long end of tank. Be sure bushing is properly seated in tank flange before tightening with wrench. If tank is partially full, completely fill tank, or completely empty tank before installing DU gauge.
2. After gauge is installed in tank, locate the position for the outside reading indicator and wall bracket, then attach wall bracket with screws.
3. Find location for hole for copper tubing and beaded chain. (Preferably in the sill between joists) drill or cut 5/8 diameter hole or 1" hole if gauge is to be side mounted. (Fig. 1)
4. Measure length of tubing required making necessary bends. Bends should be uniform with not less than 5" radius.
5. Thread stainless beaded chain through copper tube, start threading from gauge. Run beaded chain and tubing through hole up to wall bracket.
6. Remove nut fastening housing (Fig. 3&4) together. Set housing in bracket, place spring in housing (Fig4). Next thread chain through spring and through red indicator tube. Having closed end (with chain connector) toward outside of building. This tube should be set with line showing on the tube even with outside of housing (A Fig. 4). This applies if tank is empty.
7. Slide transparent plastic tube over red indicator tube and spring and press same to end of housing (Fig. 4) over transparent plastic tube. Check to see that reading is correct.
8. If reading is incorrect re-adjust chain. Then cut off chain even with the end of the red indicator tube. Fasten chain connector. Fasten outside housing (Fig. 3) to inside housing (Fig. 4) with nut.

Underground Installation

The above instructions for installation are the same.

If there are not enough openings in underground tank, installation can be made as shown in Fig.2 by using a Y fitting on fill pipe or vent pipe. Opening must be 2". When ordering gauges for such installations, it is necessary to give dimension B (Fig. 2) from inside of top of tank to top of Y fitting and also dimension of diameter of tank. Lower portion of indicator housing is threaded to attach a 1/8" pipe.