



R6315-0012 Remote Magnetel® Transmitter Installation Instructions

See R6315-00012, DS-873 and 115-820 at www.RochesterGauges.com

READ THESE THREE DOCUMENTS COMPLETELY BEFORE STARTING INSTALLATION

115-820 contains instructions for installing Magnetel® gauge. If gauge has not already been installed into tank, follow the instructions in 115-820.

Install transmitter after gauge is correctly installed. DS-873 "FRONT" contains side and front views showing transmitter orientation for centerline mount Magnetel® gauge*. DS-873 also shows hardware furnished with transmitter.

To install transmitter it will be necessary to replace two original gauge mounting studs and two thick nuts with two long studs and two thin nuts. The two studs to be replaced pass through the dial mounting brackets at or near 9:00 and 3:00 O'clock. Install two long studs (supplied with transmitter) and tighten one thin nut (supplied with transmitter) onto each long stud to replace original thick nuts. See 115-820 for nut torque requirements.

Transmitter should slide easily over the two long studs. Assure that transmitter boss is fully seated onto recess in gauge flange (head). Secure transmitter onto the two long studs with two thin nuts.

If transmitter is incorrectly clocked with respect to gauge, dial pointer position will be appropriate for gauge indication but current output will be out-of-phase with both gauge and dial.

Attach three standoff posts onto the three dial brackets. Install 8 inch dial, making sure that dial is supported by all three standoff posts and that transmitter does not interfere with back of dial case, when fitting dial into place. If tank is empty, dial pointer should indicate below 3%. If transmitter is not fully seated onto gauge, the dial may not fit standoff posts correctly and incorrect fit-up may cause dial pointer to stick.

See data sheet R6315-00012 for factory transmitter calibration, voltage requirements and wire connections. If transmitter is in a hazardous area, connect safety barrier as shown on data sheet. If not, connect white wire to positive and black wire to negative. Percent current output of transmitter is factory calibrated to correspond with the percent volume dial graduations on 8" dial. Your current loop indicator may have adjustments and, if necessary, these adjustments may be used to make the indicating system more accurate near lower and upper dial pointer positions.

To install transmitter onto old style Taylor Master gauge with only two dial mounting brackets, see DS-873 "BACK". This installation will require P/N 0059-00264 hardware kit and replacement dial P/N 5ABMS02784.

*For centerline mount gauge the three dial mounting brackets should be located exactly at 9:00, 12:00 and 3:00 O'clock. The 50% graduation on the 8" dial face will be at the 12:00 O'clock position. Alternatively, if gauge is for straddle mount, the dial mounting brackets should be rotated 22 ½ degrees counterclockwise from 9:00, 12:00 and 3:00 O'clock. 50% on dial face should be at 12:00 O'clock. Note that both straddle mount gauge and transmitter will have an "X" included in their part numbers.

WARNING: TO PREVENT IGNITION OF FLAMMABLE OR COMBUSTABLE ATMOSPHERES, DISCONNECT POWER PRIOR TO SERVICING.

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