

HAWKEYE INDUSTRIES INC.

MODEL: Roadside Model 'R'

INSTRUCTIONS: Installation of fluid level indicator

TOOLS REQUIRED

- Tape measure
- Side cutters
- ½" socket or box end wrench
- 24VDC loop calibrator or multi-meter with 24VDC power supply
- Pen size flat screwdriver

PARTS REQUIRED

- (1) Roadside "R" gauge head with electronic cover plate
- (1) Goshawk transmitter
- (1) Float (applicable size)
- (1) Stainless steel 1/16" cable clip
- (1) Adapter flange

INSTALLATION

- STEP 1:** Measure the distance between the top of riser (No.4) to the bottom of tank. Then subtract the diameter of tank. The difference between the two will be the distance from the ball stop on the float cable (No.10) to the bottom of your float (No.7).
- STEP 2:** Pass cable through adapter flange (No.3) and attach to float swivel (No.8) with the clamp provided (No.9) at the distance measured in step 1. Cut off excess cable.
- STEP 3:** Slowly lower the float (No.7) down riser (No.4) ensuring no tight spots.
- STEP 4:** Fasten adapter flange (No.3) to riser (No.4) and secure gauge head (No.1) to adapter flange.

CALIBRATION

- ZERO SET** (4mA) - With your gauge in the **empty** position and float secured adjust the R-20 fine trim potentiometer on the circuit board until your measuring equipment reads 4mA (complete this before setting span).
- SPAN SET** (20mA) – Position the float (No.7) in the **full** position by removing dust cover and rotating cable spool counter clockwise until the ball stop is engaged. Secure in position and adjust the R-19 fine trim potentiometer on the circuit board until your measuring equipment reads 20mA. Repeat these calibration procedures until both your 4mA and 20mA are obtained without further adjustment.

#	DESCRIPTION	MATERIAL	QTY
1	ROADSIDE MODEL GAUGE HEAD	ALUM & SS	1
2	GOSHAWK 4-20mA TRANSMITTER	ALUM & SS	1
3	ADAPTER FLANGE	STEEL	1
4	RISER	(BY CUSTOMER)	1
5	TANK FLANGE	(BY CUSTOMER)	1
6	STILLWELL	(BY CUSTOMER)	1
7	VERTICAL FLOAT	SS	1
8	SWIVEL	SS	1
9	CABLE CLAMP	SS	1
10	FLOAT CABLE	SS	1

