



INSTALLATION INSTRUCTIONS

1. Tighten the Retractor/Probe assembly onto the pipe line connection so arrow shown on probe will face the oncoming flow. If there is any problem in orienting the arrow correctly this way, then loosen the two bolts holding the probe onto the retractor and rotate the probe accordingly. Then re-tighten the bolts to securely hold the probe.
2. The packing gland is pre-set, however if leakage does occur: Tighten Packing Gland enough to prevent leakage but not too tight to prevent reasonable effort to install and withdraw the probe.

Note: Make sure valve is in open position.
3. The probe is now ready to be inserted into the pipe line by rotating the 1 1/4" nut at the top of the ACME threaded rod. Counter clockwise rotation will insert the probe. Clockwise will withdraw probe.
4. The two stops on the ACME threaded rod are set so the position of the probe when it reaches the top stop is assured to have been 40" withdrawn above the ball valve, but still secured by the Packing Gland, so that the valve may now be shut off without probe interference. The bottom stop assures the probe flow sensors are into the flow stream.

MATERIALS:

RETRACTOR: STAINLESS STEEL AND ALUMINUM

HOT TAP ASSEMBLY: STAINLESS STEEL

PROBE: 316 S.S.

DIMENSIONS:

PROBE: 1" OR 3/4" DIAM X 36" LENGTH



Thermal Instrument Company

217 Sterner Mill Road, Trevose, PA 19053, USA

DWG NO.: INSTALLED-GRIP RETRACTOR-HOT TAP	DESCRIPTION: PROBE WITH RETRACTOR FOR ALL LINE SIZES 12" AND SMALLER.	
ORIGINATION DATE: 11/10/08	DRAWN BY: MJH	APPROVED BY: JC
SCALE: NONE	MATERIAL: AS NOTED	PAGE: 1 of 1