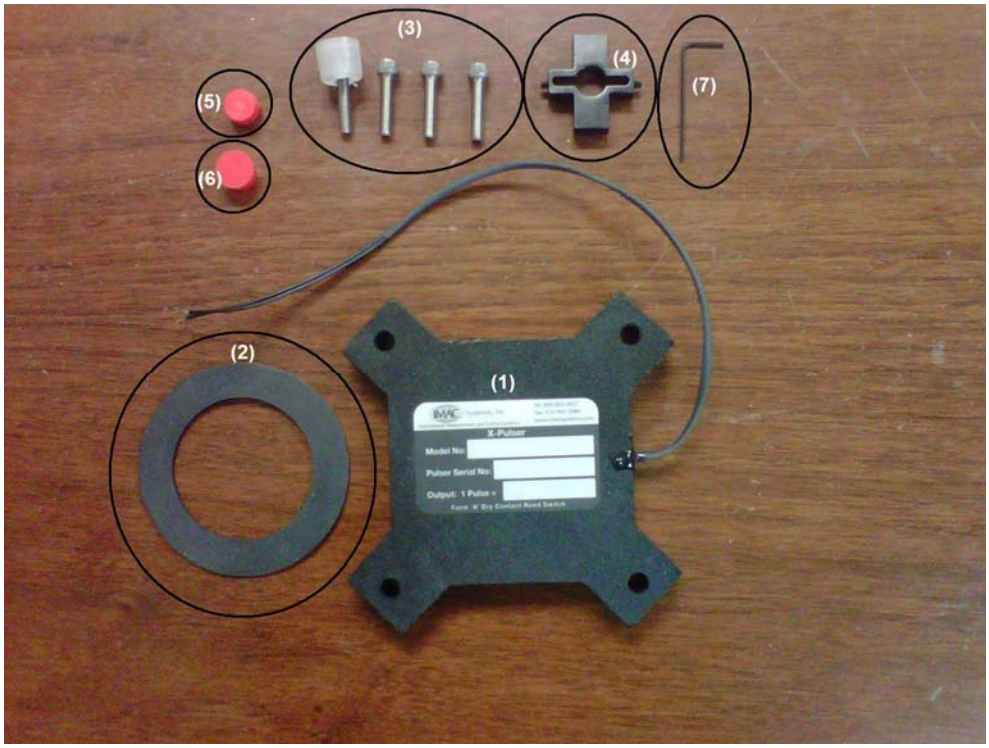
IMAC Systems, Inc.
International Measurement and Control Systems

X-Pulser Mounting Instructions & Specifications:
The X-Pulser's anodized aluminum body has been drilled in a 4-hole mounting pattern to accommodate mounting with Mechanical Standard Counter and Temperature Compensated Elster-American Meter RPM Rotary Gas Meters.

Tools Needed for Installation:
5mm Metric Allen Wrench (to remove the Module Cover)
5/32 English Allen Wrench (to install X-Pulser)
Hammer & Flat-Head Screwdriver (remove the meter's security cap)

Kit Contents:
(1) X-Pulser Body Assembly (P/N: IAP-1P-3)
(2) X-Pulser Neoprene Gasket (P/N: IAP-1P-4)
(3) Four #10-32 x ¾" Long Socket Head Cap Screws (Stainless Steel)
(One with Security Cup Installed)
(4) X-Pulser Generator Hub Assembly (P/N: IAP-1P-1)
(5) Small Security Cap (For X-Pulser Body Assembly Security Cup)
(6) Large Security Cap (For Module Cover Security Cup)
(7) Small Allen Key (To Install X-Pulser Generator Hub)

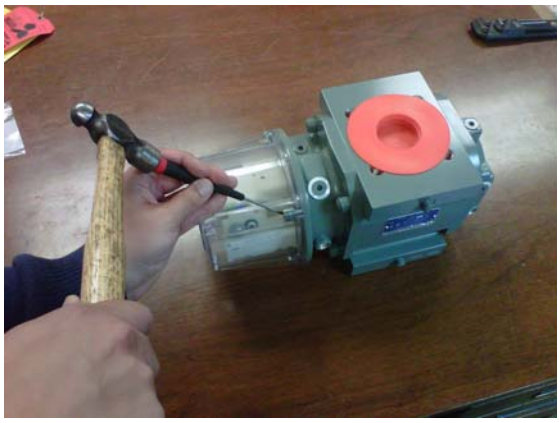


Description:

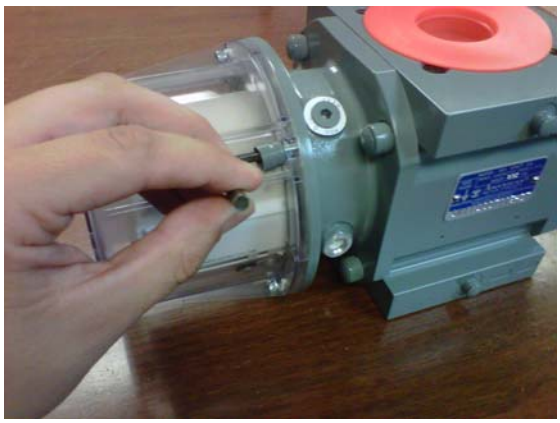
The X-Pulser is an economical way to transmit rate and volume output data from Elster-American RPM Rotary Gas meters to remote totalizing and/or recording equipment. This includes AMR systems, controllers, logic computers, RTU, and SCADA equipment. For other style or other manufacturer's meters please see our line of Pulsimatics and Domestic Meter Pulsers (DMP).

Installation:

1.) Remove security cap from RPM Meter Module Cover. This can be removed by hitting the red security cap lightly with a flathead screw driver and hammer.



2.) Remove (4) socket head cap screws from around the RPM Meter Module Cover. Use a 5mm Metric Allen wrench. Do not discard the cap screws. Do not discard the security cup.



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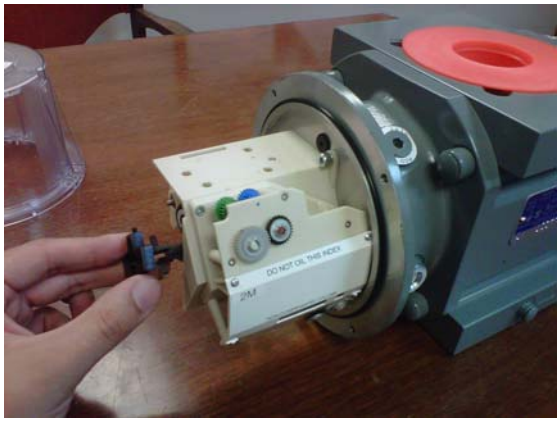
3.) Remove the RPM Meter Module Cover.

4.) Install X-Pulser Generator Hub (P/N: IAP-1P-1) using the small allen wrench included in the X-Pulser kit. Make sure the magnet is pointing outward (away from the meter). The X-Pulser Generator Hub will fit snuggly on the meter drive output. Make sure it is installed level, and tighten the set screws on both sides.



5.) Re-Install RPM Meter Module Cover using the four cap screws removed previously and security cap. Do not install security seal yet. Make sure to tighten the four screws equally, going in a diagonal pattern to insure a flat seal.

6.) Place X-Pulser Body Assembly (P/N: IAP-1P-3) and X-Pulser Neoprene Gasket (P/N: IAP-1P-4) in position. The wire should face in either a horizontal plane or downward. Do not face the wire towards the sky. The X-Pulser Body Assembly is symmetrical and will work in any position (pointing the wire towards the sky allows for water to accumulate and possibly affect the Pulser's performance)

6.) Using the four #10-32 x ¾" Long Socket Head Cap Screws SST and a 5/32 allen wrench, install the X-Pulser Body Assembly to the RPM Rotary Module Cover. Make sure to tighten the four screws equally, going in a diagonal pattern to ensure a flat seal. Please note one cap screw should have security cup installed to indicate tampering.

7.) Test the X-Pulser by blowing air through the meter and testing for a signal. Remember, the X-Pulser will generate 1 Pulse = 10 Cubic Ft. Output (on small, 10' drive meters i.e. 2M, 3.5M, 5.5M, 7M and 11M) and 1 Pulse = 100 Cubic Ft (on large, 100' drive meters i.e. 16M)

8.) When tested and approved, insert the security caps inside of the security seals. The large security cap goes into the meter security cup and the small security cap goes into the X-Pulser security cup. These will indicate if the meter has been tampered with.