

Hall Effect Transmitter (H.E.T.)

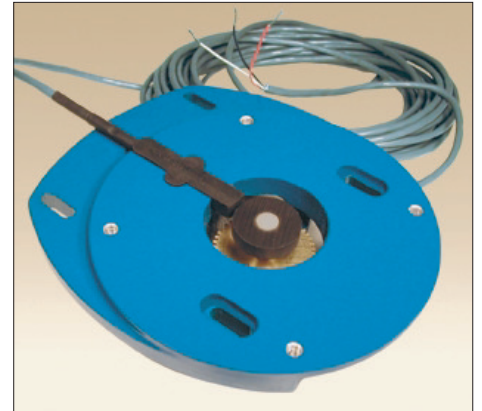
Pulse Output Transmitter For Sensus Propeller Meters

Description

The H.E.T. utilizes the same pulse rate as the old style EROFI register. Requiring only an additional 12 volt D.C. power wire for the H.E.T. module and a common ground. The H.E.T. module features allow easy access to the module without disrupting service. Held in place by the register bonnet of the sealed register adapter plate and sealing out possible moisture by the use of special materials in the transmitter housing construction.



Hall Effect Transmitter with 25 feet of cable



H.E.T. installed on adapter plate
(Shown w/ bonnet and register removed)

Features

APPLICATIONS

The H.E.T. module is used to transmit a high frequency signal for rate and totalization displays and accountabilities. This transmitter can be used along with any other Sensus registers, like an ECR. This combination will still give the special reading capabilities of the ECR and can also give high frequency data transmission located away from the meter site. H.E.T. can be used on Sensus Propeller Meters ONLY.

INSTALLATION ON METER

When ordered on a new meter, the register and adapter plate assembly will have the H.E.T. already installed between the two components.

The H.E.T. is supplied with 25 feet of cable only. Additional cable may be ordered and spliced as desired up to 1000 total feet with a repeater.

For retrofitting, the meter must have the register adapter plate with the receptacle for the H.E.T. or a new adapter plate kit must be ordered for the H.E.T. to retrofit.

NOTE: If a H.E.T. is to replace an obsolete Model Transmitter (other than an EROFI) the interfacing Act-Pak instrument(s) must be returned to Sensus for recalibration to accept the new pulse value. The H.E.T. is a direct replacement for the pulse value of an EROFI.

ELECTRONIC CONNECTIONS

Belden #8770 or equivalent 3-conductor cable with shield is required. 25 feet of cable is supplied with the module.

A waterproof splice must be made to the standard cable for the lengths up to the maximum of 1000 feet, if further distances are required a Sensus Repeater will be required.

ENVIRONMENTAL LIMITS

The H.E.T. module is designed for use in non-explosive atmospheres. Flooded pits and high humidity atmospheres will not affect the operation of the H.E.T. when properly installed.

H.E.T. OUTPUT SIGNAL

60 or 600 pulses per totalizer sweep increment depending on the meter size and registration.

Solid state switch with output current sink 20 MA. max.
Input Voltage Required: 4 to 24 volts DC – 10MA. max.



Terminal Connections:

Wire Color (Belden 8770)

Red (+ 12 VDC)

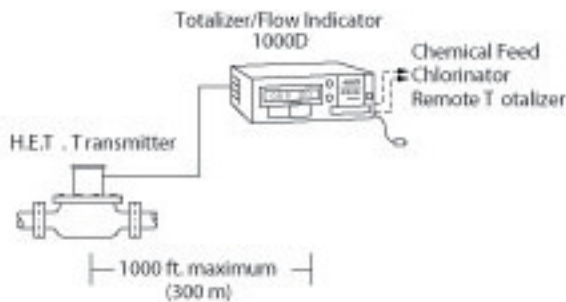
White or Clear (Signal)

Black (Common)

Note:

The drain (bare) wire of the connecting cable is to be attached only at the instrument's terminals.

The drain (bare) wire should be cut off.



Propeller Meter Sealed Register Conversion Kit

Item 60 is available as a complete assembly or individual parts.

* Grease

72A (Optional)

Ill. No.	Description
54	Bonnet 5 crew W/Hole (2)
55	Bonnet 5 crew (2)
56	Register Bonnet
57	Register Gas ket
58	Propeller Meter Sealed Register
59	Gas kets (2)
60	Magnet and Gear Assembly
60A	Magnet
60B	Shaft
60C	Change Gear Supplied in Kit
61	Adapter Plate 5 crews (4)
62	Adapter Plate
18	Meter Change Gear Provided in Kit
88	H.E.T. Transmitter with 25 Feet of Cable (Optional)
88A	Adapter Plug (When H. E. T. is Not Utilized)

Tools required (but not supplied) for conversion:
 + 5 crewdriver
 + A 1/16 Size Hex Wrench
 * Lightweight Lubricating Grease

Note: For a complete Propeller Meter parts list, please see P.M-732 revision

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