

**TECHNICAL NOTES**

**MODEL 570, 770 AND 770A SERIES  
 PRESSURE TRANSDUCERS AND TRANSMITTERS  
 FOR NOVA-FLOW AND FLOWSTAR SERIES**

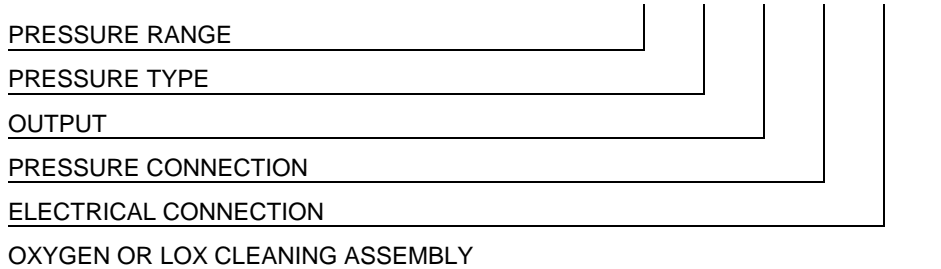
**General Description**

Hoffer’s family of pressure transducers is offered for use with Hoffer Nova-Flow and Flowstar flow computers when gas flow, or liquid flow in some cases, is being measured with and compensated for varying pressures. The series is offered with 4 to 20 ma, 0 to 5 VDC or 1 to 5 VDC analog outputs in gage (PSIG) or absolute (PSIA) pressure.

The pressure transmitters are designed to be reliable and cost effective, as well as rugged and light weight, which enables them to be mounted directly on the process piping. Hoffer offers risers on both the FFS and FIK installation kits. They can also be mounted directly on the turbine flowmeter at the rotor. The all welded stainless steel construction is hermetically sealed with no adjustment controls so they are airtight, watertight and explosion-proof. Any full scale adjustments are made in Hoffer’s flow computers. 24 VDC power can also be provided by the flow computer. The transducers can operate with any DC voltage from 12 to 30 VDC. The transmitters come in a series of pressure ranges from 0 to 15,000 PSI. Select ranges from the model numbering system listed below.

**Ordering Information**

**MODEL 570-, 770- OR 770A-(A)-(B)-(C)-(D)-(E)-(F)**



## **PRESSURE RANGE**

MODEL 570-, 770- OR 770A-(A)-( )-( )-( )-( )-( )

### OPTION ( A )

- (08) 0 TO 50 PSI
- (09) 0 TO 100 PSI
- (10) 0 TO 150 PSI
- (11) 0 TO 250 PSI
- (12) 0 TO 300 PSI
- (13) 0 TO 500 PSI
- (14) 0 TO 1,000 PSI
- (15) 0 TO 1,500 PSI
- (16) 0 TO 2,000 PSI
- (17) 0 TO 3,000 PSI
- (18) 0 TO 5,000 PSI
- (19) 0 TO 10,000 PSI **MUST USED HIGH PRESSURE FEMALE AUTOCLAVE FITTING**
- (20) 0 TO 15,000 PSI **MUST USED HIGH PRESSURE FEMALE AUTOCLAVE FITTING**

## **PRESSURE TYPE**

MODEL 570-, 770- OR 770A-( )-(B)-( )-( )-( )-( )

### OPTION ( B )

- (G) GAUGE PRESSURE (REQUIRED FOR 10 THRU 20 RANGE)
- (A) ABSOLUTE PRESSURE (REQUIRED FOR 08 THRU 09 RANGE)  
**FOR PRESSURES UNDER 100 PSI USE (A) ABSOLUTE PRESSURE ADD 14.7 PSI IF CALCULATING WITH GAUGE PRESSURE.**

## **OUTPUT**

MODEL 570-, 770- OR 770A-( )-( )-(C)-( )-( )-( )

### OPTION ( C )

- (A) 4-20 MA STANDARD FLOWSTAR (MODEL 570)
- (C) 0-5 VDC (MODEL 770)
- (F) 1-5 VDC (MODEL 770A)

## **PRESSURE CONNECTION**

MODEL 570-, 770- OR 770A-( )-( )-( )-(D)-( )-( )

### OPTION ( D )

- (4) 1/4" FNPT THREAD STANDARD (FOR HOFFER INSTALLATION KITS TO MOUNT ON 1/4" MNPT RISER)
- (5) 1/4" MNPT THREAD
- (6) HIGH PRESSURE FEMALE AUTOCLAVE FITTING
- (7) 1/2" FNPT THREAD

**ELECTRICAL CONNECTION**

**MODEL 570-, 770- OR 770A-( )-( )-( )-( )-(E)-( )**

OPTION ( E )

(2) 1/2" MNPT RISER (NO ENCLOSURE)

(E1) EXPLOSION-PROOF

- FM : CLASS I, DIV. 1, GR. ABCD, CLASS II/III, DIV. 1, GR. EFG, TYPE 4X
- CSA: CLASS I, DIV. 1, GR. ABCD, CLASS II, DIV. 1, GR. EFG, CLASS III, TYPE 4X  
Ex d IIC, CLASS 1, ZONE 1, IP 66
- ATEX: Ex II 2GD, Ex d tD IIC, IP66/IP68
- IEC: Ex d IIC, IP68

**NOTE: FOR UL LISTED EXPLOSION-PROOF ENCLOSURES CONTACT FACTORY.**

(MSE) MS3102E-145-7P

**NOTE: INSERT (X) IN THE MODEL NUMBER FOR EVERY OPTION NOT REQUIRED.**

CABLE DESCRIPTION

OPTIONAL PRESSURE CABLE ASSEMBLY 6 FT. SHIELDED  
1 END LUGS, 1 END TINNED, 2 WIRE CABLE, NOVA-FLOW  
OR FLOWSTAR POWER REQUIRED 11-40 VDC

PART NUMBER

SCA-6LT2-PT

**OXYGEN OR LOX CLEANING OF ASSEMBLY**

**MODEL 570-, 770- OR 770A-( )-( )-( )-( )-(E)**

OPTION ( F )