



**Pneumatic Transmitter
Type 4080, Accuracy (1.0%)
Type 4480, Accuracy (0.5%)**

Providing plus-values which will coordinate key functional areas in your plant, this Ashcroft® pneumatic transmitter serves pressure applications throughout all industries. A positive report of process fluid and media performance is provided at designated operational check points by a signal accurately transmitted with maximum efficiency, assuring operating economies and safety.

The Ashcroft transmitter is a self-nulling motion-balance instrument, using a pneumatic relay operating on the nonbleed force balance principle for converting input pressures into proportional low air pressure signals for transmittal to remote indicators or controllers.



SPECIFICATIONS

Types	4080	4480
Ranges	see Standard Ranges	
Output ranges, psi	3-15 & 3-27 (see note below for vacuum application)	
Supply air requirements	18-20 psi for 3-15 psi range; 30-35 psi for 3-27 psi range	
Air consumption SCFM	0.1	
Speed of response	time constant of 4 seconds per 500 ft of tubing	
Air connection	¼ NPT Female	
Calibration adjustments	5	2
Accessories	see optional features and accessories	
Transmission distance	1000 ft	
Mounting weight	approximate weight 9 lb	
Accuracy ±% of span	1.0	0.5
Sensitivity ±% of span	0.1	0.001
Repeatability % of span	0.15	
Actuation	Bourdon tube	
Input sensing element material	316 SS	
Ambient temperature effect	½% per 50°F	
Process connection	½ NPT (ordering code 04L)	

Note: Vacuum application: The transmitted air pressure increases as the measured vacuum approaches zero.

STANDARD RANGES

Process Connection	Pressure			Vacuum	Compound
½ Male NPT Lower	0/8 psi*	0/200 psi	0/3000 psi	10/0 in.Hg*	30"/15 psi
	0/10 psi*	0/300 psi	0/5000 psi	15/0 in.Hg*	30"/30 psi
	0/15 psi	0/400 psi	0/10,000 psi*	20/0 in.Hg*	30"/60 psi
	0/30 psi	0/600 psi	0/20,000 psi	30/0 in.Hg	30"/100 psi
	0/60 psi	0/800 psi			30"/150 psi
	0/100 psi	0/1000 psi			30"/200 psi
	0/160 psi	0/1500 psi			30"/300 psi
		0/2000 psi*			

* Applies to 4480 only.

TUBE MATERIALS

Type Number	Range Limits	Ordering Code	Bourdon Tube Material
4080 (indicating)	Vacuum to 20,000 psi	S	316 SS
4480 (nonindicating)			

TO ORDER THESE TYPE 4080, 4480 PNEUMATIC TRANSMITTERS:

Pressure transmitters (specify the following):

1. Type number: 4080 indicating, 4480 nonindicating
2. Bourdon Tube material. Specify material ordering code letter
3. Range or span (process pressure)
4. Output range. The standard 3-15 psi range will be supplied unless specified otherwise
5. Accessories (see page 165-171) or optional features (see page 107)

Example: 4480S-04L, 3-15# Range 0/100 psi