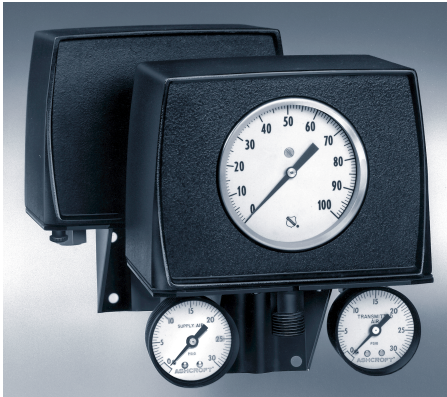


## Pneumatic Transmitter,

Type 4080, ASME B 40.1 Grade 1A ( $\pm 1.0\%$  of span)  
 Type 4480, ASME B 40.1 Grade 2A ( $\pm 0.5\%$  of span)



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	1/4 NPT Female	
Calibration adjustments	5	2
Accessories	see optional features and accessories	
Transmission distance	1000 ft	
Mounting weight	approximate weight 9 lb	
Accuracy $\pm\%$ of span	1.0	0.5
Sensitivity $\pm\%$ of span	0.1	0.001
Repeatability $\%$ of span	0.15	
Actuation	Bourdon tube	
Input sensing element material	316 SS	
Ambient temperature effect	1/2% per 50°F	
Process connection	1/2 NPT (ordering code 04)	

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

### STANDARD RANGES

Process Connection	Pressure			Vacuum	Compound
1/2 Male NPT Lower	0/8 psi*	0/200 psi	0/3000 psi	10/0 in. Hg*	30/0 in. Hg/15 psi
	0/10 psi*	0/300 psi	0/5000 psi	15/0 in. Hg*	30/0 in. Hg/30 psi
	0/15 psi	0/400 psi	0/10,000 psi	20/0 in. Hg*	30/0 in. Hg/60 psi
	0/30 psi	0/600 psi	0/20,000 psi	30/0 in. Hg	30/0 in. Hg/100 psi
	0/60 psi	0/800 psi			30/0 in. Hg/150 psi
	0/100 psi	0/1000 psi			30/0 in. Hg/200 psi
	0/160 psi	0/1500 psi			30/0 in. Hg/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 stainless steel
4480 (nonindicating)			

### TO ORDER THESE 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 or optional features

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