



AR13A

**±0.5 % Accuracy – 4 ½"-6"-8 ½" Dial Sizes**  
**±1.0 % Accuracy – 3 ½" Dial Size**

Receiver gauges are used with a transmitter (transducer) to translate distant point air signals into units of pressure, temperature, liquid level or flow.

Outer Scale Marked with Equal Increments of Transmitted Signal, Inner Scale Graduated with Units of Specified Measured Variable (i.e.: Square Root, %)

**STANDARD FEATURES**

- Movement:** All 300 series stainless steel, heavy duty, bushed, overload & underload stops
- Pointer:** Knife edge slotted adjustable
- Dial:** White enameled aluminum with black graduations and numerals. 270° ARC
- Thread Size:** 1/4 male NPT; 1/2 male NPT
- Connection Location:** Lower (bottom) or rear (back)
- Case:** Suitable for direct or surface mounting. See table below for standard case style. Refer to pages 34-38 for complete descriptions, dimensions and optional case styles. A wide choice of polypropylene, aluminum, and stainless steel case is available for direct, surface and flush panel mounting.

CATALOG NO.	ACCURACY (% OF SCALE)	DIAL SIZE (INCHES)	STANDARD CASE MATERIAL AND STYLE	
AR13	1	3 ½	Aluminum	Style "A"
AR14	½	4 ½	Polypropylene	Style "2"
AR16		6	Aluminum	Style "A"
AR18		8 ½	Phenol	Style "2"

**STANDARD GAUGES (3-15 PSI SIGNAL)**

CODE NO.	DIAL RANGES	FIGURE INTERVALS	SMALLEST GRADUATION
OC	0-100	10	1
OH	0-10 Sq. Root	1 Sq. Root	Non Linear

**NOTES:**

1. Royal Gauges are calibrated in accordance with ASME B40.1 Grade 2A (±½%). 3 ½" dial size only is Grade 1A (±1.0%). See page 4 of this catalog for further reference to ASME B40.1.
2. Figure intervals and smallest graduations above are for 4 ½" and 6" gauges. Graduations and intervals may vary for 3 ½" and 8 ½" dial sizes

**HOW TO ORDER**

A R 1 3 A O C 4 L W ( )

BASIC 4-DIGIT CATALOG NO. FROM TABLE ABOVE \_\_\_\_\_

CASE STYLE CODE FROM TABLE ABOVE OR OPTIONAL CASE CODE (PAGE 34-38) \_\_\_\_\_

RANGE CODE FROM RANGE TABLE ABOVE \_\_\_\_\_

THREAD SIZE: 4 = 1/4 NPT MALE (STANDARD); 2 = 1/2 NPT MALE \_\_\_\_\_

CONNECTION LOCATION: L = LOWER (BOTTOM); OR R = REAR (BACK) \_\_\_\_\_

DIAL COLOR, W = WHITE (STANDARD), B = BLACK (OPTIONAL) \_\_\_\_\_

IF ANY GAUGE OPTIONS ARE DESIRED – SPECIFY OPTION CODE(S) FROM PAGE 33 \_\_\_\_\_