



*Proven Performance
for Over 50 Years*

COX Hydrometer Well-Type 3

FEATURES

- Easy to Install
- Stainless Steel Construction
- "O" Ring Seals
- Guided Bulb
- Wide Range
- Easy to Change Bulbs

DESCRIPTION

The COX Hydrometer Well is a high-accuracy instrument for determining the specific gravity of liquids by means of the flotation of a precision hydrometer bulb in a glass enclosure.

The Type 3 Hydrometer Well is easy to install—requiring simply a rectangular panel cut-out and a ¼" tapped hole. Removal of the instrument for cleaning or changing bulbs requires only the removal of one thumb screw. Bulbs can be changed in a matter of seconds.

"O" ring seals are used in the new Indicator and all metal parts in contact with the fluid are of stainless steel. Inlet, vent and drain connections are ¼" NPTI threads. The hydrometer bulb is guided in the enclosure so that the scale is always centered for ease of reading. Hydrometer bulbs, with integral 1% mercury thermometer, are available to cover a wide range of gravities.

THEORY OF OPERATION

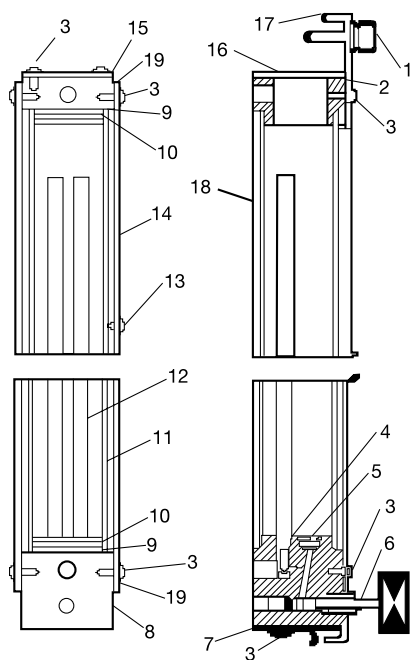
Open the inlet valve and allow liquid to flow into the well and out the overflow tubes until temperature stabilizes.

CAUTION: Do not allow liquid level to exceed ¼" above overflow tubes.

Adjust the valve until the liquid level remains constant and the hydrometer has assumed a free floating position. Read the hydrometer at the liquid level.



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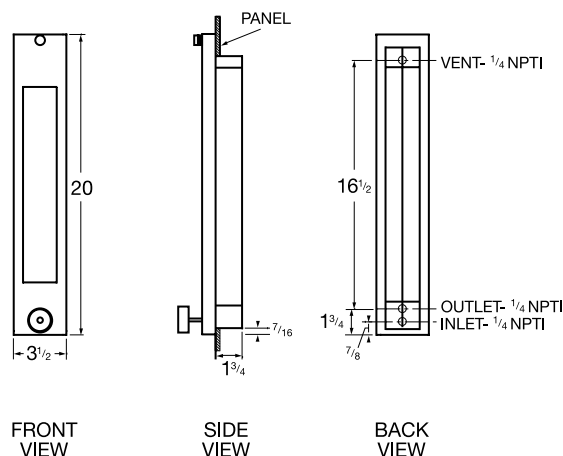


Specifications

Size	Range
1	0.680-0.850
2	0.695-0.800
3	0.795-0.900
4	0.895-1.000
5	1.000-1.220
6	1.200-1.420
7	1.400-1.620
Others available on special order.	
Scale Increments	0.001 except size 1, which is .002
Readability	0.001 or better
Temperature Range	50 to 150°F Standard
Accuracy	±1% or range
Material	Wetted Parts-Stainless Steel
Size	See dimensional drawing below
Finish	Black-Standard
Weight	6 Pounds
Connections	1/4" NPTI
Models	Panel Mount

Parts

Item	Old Part Number	New Part Number	Description	No. Req.
1	60139	82S0317R0010	Screw	1
2	AN6227-25	82S0267R0830	"O" Ring	1
3	Coml.		Screw, Thruss Hd., No. 10-32 x 3/8"	14
4	60134	82S0313R0010	Ring Clamp	1
5	60135	82S0314R0010	Screen, Inlet	1
6	41510	82S0346R0010	Valve Assembly	1
7	60138	82S0316R0010	Clip, Panel Mounting	1
8	60128	82G0123R0010	Block, Lower	1
9	60133	82S0312R0010	Gasket, Tube	2
10	AN6227-23	82S0267R0230	"O" Ring	2
11	60132	82G0126R0010	Glass, Hydrometer	1
12	60136	82S0315R0010	Tube, Overflow & Guide	2
13	Coml.		Screw, Self-Tapping, No. 4 x 3/8"	2
14	60129	82G0124R0010	Plate, Side	2
15	60127	82G0122R0010	Block, Top	1
16	60131	82S0311R0010	Cap, Upper	1
17	60137-1	82G0127R0010	Bezel	1
18	60130	82G0125R0010	Panel, Reflector	1
19	Coml.		Washer, Internal Tooth, No. 10	8
	41503	82E0063R0010	Bulb, 0.680-0.850 at 60°F/60°F	
	41538	82E0064R0010	Bulb, 0.695-0.800 at 60°F/60°F	
	41539	82E0066R0010	Bulb, 0.795-0.900 at 60°F/60°F	
	41540	82E0067R0010	Bulb, 0.895-1.000 at 60°F/60°F	
	41541	82E0068R0010	Bulb, 1.000-1.220 at 60°F/60°F	
	41542		Bulb, 1.200-1.420 at 60°F/60°F	
	41543		Bulb, 1.400-1.620 at 60°F/60°F	



For more information, contact COX Instruments
or your local COX Instruments representative.



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