

## RSA-C4000/RSA-D4000 Differential Pressure Gage



### Applications & Features

- They can measure system pressure of fan, blower, filter, furnace draft and orifice plates. And they can also measure pressures in various clean room, bio-safety cabinet, clean bench, industrial cleaner, medical equipment, air sampler, pharmaceutical and grain & food machine, etc.
- 63 models available for different ranges and units for various applications
- With simple and frictionless movement, it quickly indicates air or gas pressure, either positive, negative or differential
- The design resists shock, vibration and over pressures
- Ultra-thin design: the flushed part is only 38.5mm, and the overall thickness is only 52.2mm
- Patented state of art wave shape decorative front cover
- Standard accuracy up to 2% and high accuracy up to 1%FS
- Optional mirror scale overlay eliminating parallax reading error and corrosion resistant brushed 304 SS bezel
- RSA-C4000 has very fine parts and assembly procedures to ensure extraordinary accuracy, stable and reliable for long term application. Each one have a Test Report for multiple points and precision packing. While RSA-D4000 have simplified assembly and testing procedures without the report

### Specifications

**Service:** Air and non-combustible compatible gases **Housing:** Die cast aluminum case and bezel, with PC cover **Protection:** IP67

**Accuracy:** ±2%FS (±3% on 125Pa, ±4% on 60Pa) @21°C

**Pressure Limits:** -70 to 100 KPa

**Size:** 101.5mm (4") diameter dial face, 115.5 mm (4-9/16") dia. opening for flush mount

**Temperature Limits:** -7 to 60°C (20 to 140°F) **Connections:** 1/8" NPT female high and low pressure taps, duplicated, one pair side and one pair back

**Weight:** 440g

**Mounting method:** Flush or surface in vertical position

**Standard accessory:** Model A-S10, including two 1/8"NPT pipe plugs, two 1/8" NPT to 3/16" rubber tubing adapters and three flush mounting adapters with screws

**Other Accessories:** sold separately, see Accessories

**Approval:** RoHS (RSA-C4000)

### Models (For RSA-C4000, use D instead for D4000 series)

Model Number	Range Pa	Model Number	Range in wc
RSA-C4000-60NPa**	10-0-50	RSA-C4000-00N**	0.05-0-.2
RSA-C4000-60Pa**	0-60	RSA-C4000-00**	0-.25
RSA-C4000-125Pa*	0-125	RSA-C4000-0*	0-.50
RSA-C4000-250Pa	0-250	RSA-C4001	0-1.0
RSA-C4000-500Pa	0-500	RSA-C4002	0-2.0
RSA-C4000-750Pa	0-750	RSA-C4003	0-3.0
Zero Center Ranges Pa		RSA-C4004	0-4.0
RSA-C4600-60Pa**	30-0-30	RSA-C4005	0-5.0
RSA-C4600-120Pa*	60-0-60	RSA-C4006	0-6.0
RSA-C4600-250Pa	125-0-125	RSA-C4008	0-8.0
RSA-C4600-500Pa	250-0-250	RSA-C4010	0-10
Model Number	Range kPa	RSA-C4012	0-12
RSA-C4000-1KPa	0-1	RSA-C4015	0-15
RSA-C4000-1.5KPa	0-1.5	RSA-C4020	0-20
RSA-C4000-2KPa	0-2	RSA-C4025	0-25
RSA-C4000-3KPa	0-3	RSA-C4030	0-30
RSA-C4000-4KPa	0-4	RSA-C4040	0-40
RSA-C4000-5KPa	0-5	Zero Center Ranges in wc	
RSA-C4000-8KPa	0-8	RSA-C4600-00**	.125-0-.125
RSA-C4000-10KPa	0-10	RSA-C4600-0*	.25-0-.25
Zero Center Ranges kPa		RSA-C4301	.5-0-.5
RSA-C4600-1KPa	.5-0-.5	RSA-C4302	1-0-1
RSA-C4600-2KPa	1.0-0-1.0	RSA-C4304	2-0-2
Model Number	Range mm wc	RSA-C4310	5-0-5
RSA-C4000-6MM**	0-6		
RSA-C4000-10MM*	0-10	Model Number	Range cm wc
RSA-C4000-15MM*	0-15	RSA-C4000-15CM	0-15
RSA-C4000-25MM	0-25	RSA-C4000-20CM	0-20
RSA-C4000-30MM	0-30	RSA-C4000-25CM	0-25
RSA-C4000-50MM	0-50	RSA-C4000-50CM	0-50
RSA-C4000-80MM	0-80	RSA-C4000-80CM	0-80
RSA-C4000-100MM	0-100	RSA-C4000-100CM	0-100
Zero Center Ranges mm wc		Zero Center Ranges cm wc	
RSA-C4600-6MM**	3-0-3	RSA-C4600-4CM	2-0-2
RSA-C4600-10MM*	5-0-5	RSA-C4600-10CM	5-0-5
RSA-C4600-20MM	10-0-10	RSA-C4600-20CM	10-0-10

\*\*Accuracy 4%; \*Accuracy 3%; others accuracy 2%

### Options:

1. **Mirror Scale:** Eliminates parallax reading error, to order add suffix M.
2. **Brushed 304 SS Bezel:** Corrosion resistant bezel, to order add suffix S.
3. **High Accuracy Calibration(only for RSA-C4000):** Calibrated to accuracy 2%/1.5/1% respectively, which are as twice as standard gages, with Mirror Scale and Calibration Certificate, to order add suffix H.



Mirror scale  
High accuracy calibration  
Brushed SS bezel