

# Rotameter Bubbler Gauge



## 5993 SERIES

- Provides continuous indication of liquid level
- Remote reading volume, depth or weight
- Accurate, reliable, proven technique
- Low cost installation, easy to maintain
- All pneumatic (non-electrical) operation

### APPLICATIONS

- Tank level indication
- Marine
  - Tank level, draft monitoring and vessel management
  - Ballast water
  - Fuel oil
  - Fresh water
  - Lube oil
  - Brine
  - Preload
  - Holding

### SPECIFICATIONS

<b>Operation principle</b>	Well-type manometer acts as a frictionless hydrostatic force-balance. A liquid fill is raised in direct proportion to the magnitude of pressure applied. (Varies based on type of indicating liquid employed)												
<b>Resolution</b>	Infinite based on type of indicating liquid employed.												
<b>Input connection(s)</b>	1/4" NPT tapped connection for typical tube fittings. Accepts pneumatic air/gas pressure input; high and low pressure inputs.												
<b>Materials of construction</b>	Formed channel indicator housing: brushed Stainless Steel (Type 304). Heavy plate glass window; acrylic plastic window available as special order.												
<b>Wetted parts</b>	316 Stainless Steel liquid well and tubing												
<b>Indicating tube</b>	High strength, fully annealed glass (Pryex®)												
<b>Compressed air supply</b>	Compressed air supply that is clean dry and oil-free is required for operation of the system. Under normal operating conditions, supply pressure required is 55-60 psig.												
<b>Scale ranges</b>	20", 35", 43", 51", 66"												
<b>Dimensions (inches)</b>	<table> <thead> <tr> <th>Range</th> <th>Overall Dim. (H x W x D)</th> </tr> </thead> <tbody> <tr> <td>20</td> <td>29" x 4-3/8" x 2-7/8"</td> </tr> <tr> <td>35</td> <td>45" x 4-3/8" x 2-7/8"</td> </tr> <tr> <td>43</td> <td>53" x 4-3/8" x 2-7/8"</td> </tr> <tr> <td>51</td> <td>61" x 4-3/8" x 2-7/8"</td> </tr> <tr> <td>66</td> <td>77" x 4-3/8" x 2-7/8"</td> </tr> </tbody> </table>	Range	Overall Dim. (H x W x D)	20	29" x 4-3/8" x 2-7/8"	35	45" x 4-3/8" x 2-7/8"	43	53" x 4-3/8" x 2-7/8"	51	61" x 4-3/8" x 2-7/8"	66	77" x 4-3/8" x 2-7/8"
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\* Unregulated

\*\* ®Pyrex is a registered trademark of Corning, Inc.

## ORDERING INFORMATION

<b>SERIES</b>	5993S Rotameter Bubbler Gauge
<b>SCALES</b>	20 Stainless Steel case, 20" scale, 1 unit 35 Stainless Steel case, 35" scale, 1 unit 43 Stainless Steel case, 43" scale, 1 unit 51 Stainless Steel case, 51" scale, 1 unit
<b>LIQUID*</b>	R Red liquid

\* Red Liquid 2.94 sp. gr.; scale factor = 0.337

**NOTE:** Scale information must be supplied when order is placed. Package includes overflow check valve and Swagelok fitting (3/8" tube x 1/4 NPT) compatible with copper or poly tubing.

## EXAMPLE

Series ..... 5993 Series  
 Scale ..... Stainless Steel case, 35" scale, 1 unit  
 Liquid ..... Red liquid

5993S - 35 R

