High-Accuracy Stainless Steel Flowmeters / Transmitters

Save money and achieve ±1.0 % full-scale accuracy

– A wide range of output options for integration into any system

1. Flowmeters/Transmitters

Select these flow meters and transmitters for extremely low flow-rate applications or for higher flow rate measurements and yet maintain a full-scale accuracy of ±1% or better. All units feature a stainless steel housing and come standard with stainless steel compression fittings.

Choose transmitters with a 0 to 5 VDC or 4 to 20 mA output for control or data logging purposes. Models 32718-20 to -32 offer a single output (0 to 5 VDC) along with a built-in 3½-digit display.

The flow meters/transmitters can be used with a wide variety of transparent, low-viscosity (under 10 cSt) corrosive or neutral liquids and solvents.

Note: A power supply is required for each meter/transmitter and may be ordered at right. If using an existing power supply, order the modifications noted in the table below.

Specifications

<table>
<thead>
<tr>
<th>Max particulate size</th>
<th>25 µm</th>
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</thead>
<tbody>
<tr>
<td>Accuracy:</td>
<td>±1% full-scale including linearity</td>
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<tr>
<td>Accuracy coefficient, temperature:</td>
<td>±0.2% per °C</td>
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<tr>
<td>Repeatability:</td>
<td>±0.2% full-scale</td>
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<tr>
<td>Operating temp:</td>
<td>131°F (55°C)</td>
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<tr>
<td>Max system pressure:</td>
<td>500 psi (34.5 bar) at 20°C</td>
</tr>
<tr>
<td>Wetted parts:</td>
<td>316L stainless steel, glass-filled polyphenylene sulfide (Ryton® PPS), glass, sapphire, epoxy and Viton®</td>
</tr>
</tbody>
</table>

Output signal:
- Models 32718-00 to -09: 0 to 5 VDC
- Models 32718-20 to -32: 0 to 5 VDC
- Models 32718-40 to -52: 4 to 20 mA

Input power:
- Models 32718-00 to -09: 12 VDC, 35 mA
- Models 32718-20 to -32: 24 VDC, 35 mA
- Models 32718-40 to -52: 24 VDC, 50 mA

Flow rates:
- 13 to 100 mL/min
- 20 to 200 mL/min
- 50 to 500 mL/min
- 0.1 to 1 LPM
- 0.2 to 2 LPM
- 0.5 to 5 LPM
- 1 to 10 LPM
- 50 to 500 mL/min
- 0.1 to 1 LPM
- 0.2 to 2 LPM
- 0.5 to 5 LPM
- 1 to 10 LPM

2A. Power Supplies

(Transmitters 32718-00 to -09 and meters 32718-20 to -32)

A power supply is required for each meter/transmitter.

- GH-32704-55 Power supply; 120 VAC, 60 Hz to 12 VDC
- GH-32704-56 Power supply; 240 VAC, 50 Hz to 12 VDC

2B. Power Supply (Transmitters 32718-40 to -52)

Power supply is required for each transmitter.

- GH-32704-90 Power supply; 120 VAC, 60 Hz to 24 VDC

3. Displays

Select a flow rate/total display for use with the transmitters listed at left. Note the signal-input requirements for each.

**Miniature 3½-Digit LCD.** This low-power device operates from an existing 5 to 24 VDC source. View the 0.4” high digits in any flow unit combination to which the transmitter output signal is scaled. Panel cutout is 1.67”L x 0.92”H (x 1.00”D). The input signal is 0 to 5 VDC.

- GH-32706-72 DC-powered display

**Flow Display/Totalizer** shows flow rate up to four digits and total flow up to eight digits; select a scaling factor to display rates and totals in any desired engineering unit. Operates on one 3 V lithium battery (included). Panel cutout is 21/2”L x 11/4”H x 11/4”D (6.4 x 3.2 x 3.2 cm). Input signal is pulse.

- GH-32704-40 Flow indicator/totalizer
- GH-32704-50 Replacement battery, 3 V lithium
- GH-17080-12 NIST-traceable calibration with data

**Required Components**

1) Flowmeter/transmitter
2) Power supply adapter
3) Flow rate indicator (for units without built-in display)

**System Components**

- Transmitter 32718-00
- Transmitter 32718-20
- Transmitter 32718-40
- Transmitter 32718-50
- Transmitter 32718-52

**Required when using your own power supply**

GH-32704-52 Cable assembly for sensors; 30”L (0.9 m).

Toll-free: 800-323-4340  Fax: 847-247-2929  sales@coleparmer.com  www.coleparmer.com