

# Fluke 718 30G and Fluke 718 100G Pressure Calibrator Specifications



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## Function Specifications

|                                                                                         |                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Measure Pressure (internal sensor) Over Pressure 3xFS (718 30G only) *</b>           | <b>Range:</b> -12 to 30 psi (-83 to 207 kPa)<br><b>Resolution:</b> 0.001 psi (0.01 kPa)<br><b>Accuracy:</b> 0.05% full scale<br>For use with non-corrosive gasses<br>Zero, Min, Max, Hold, Damp                                                                                                         |
| <b>Measure Pressure (internal sensor) Over Pressure 3xFS (718 100G only)</b>            | <b>Range:</b> -12 to 100 psi (-83 to 690 kPa)<br><b>Resolution:</b> 0.01 psi (0.1 kPa)<br><b>Accuracy:</b> 0.05% of full scale<br>For use with non-corrosive gasses<br>Zero, Min, Max, Hold, Damp                                                                                                       |
| <b>Measure Pressure (with Pressure Modules) Over pressure per pressure module specs</b> | <b>Range:</b> 28 pressure modules, 1.0 in. H2O / 0.25 kPa to 10,000 psi / 69 Mpa<br><b>Resolution:</b> To 0.0001 psi, per Pressure Module specs<br><b>Accuracy:</b> To 0.05% of full span, per Pressure Module specs<br>Note: Media compatibility per Pressure Module Specs, Zero, Min, Max, Hold, Damp |
| <b>Source Pressure, built in pump</b>                                                   | <b>Range:</b> -11 psig to full scale<br><b>Resolution:</b> N/A<br><b>Accuracy:</b> N/A                                                                                                                                                                                                                  |
| <b>Measure mA</b>                                                                       | <b>Range:</b> 0 to 24 mA<br><b>Resolution:</b> 0.001 mA<br><b>Accuracy:</b> 0.025% + 1 count                                                                                                                                                                                                            |
| <b>Loop Supply</b>                                                                      | <b>Range:</b> 24 V dc<br><b>Resolution:</b> N/A<br><b>Accuracy:</b> +/- 10%<br>Note: Drive; 20 mA into 1000 Ω for battery >6.8V; 700 Ω for battery 5.8 to 6.8 V                                                                                                                                         |

\*Supported Pressure Units; psi, in. H2O (4°C), in. H2O (20°C), cm H2O (4°C), cm H2O (20°C), bar, mbar, kPa, inHg, mmHg, kg/cm

## General Specifications

|                                                                 |                                                                          |
|-----------------------------------------------------------------|--------------------------------------------------------------------------|
| <b>Operating temperature:</b>                                   | -10 C to 55C                                                             |
| <b>Non-operating temperature:</b>                               | -40 C to 60C                                                             |
| <b>Relative humidity (% RH operating without condensation):</b> | 95% (10 C to 30C); 75% (30C to 40C); 45% (40C to 50 C); 35% (50C to 55C) |
| <b>Operating altitude:</b>                                      | 3,000m max                                                               |
| <b>Vibration:</b>                                               | Random, 2g, 5-500 Hz                                                     |
| <b>Shock:</b>                                                   | 1m drop test                                                             |
| <b>Safety:</b>                                                  | CSA C22.2 No. 1010.1:1992                                                |
| <b>Power:</b>                                                   | Single 9V battery ANSI/NEDA 1604A or IEC 6LR61                           |
| <b>Size (with holster):</b>                                     | 201 mm L x 98mm W x 52 mm D (7.93 in X 3.86 in x 2.06 in)                |
| <b>Weight (with holster):</b>                                   | Approx. 600g (21 oz)                                                     |
| <b>Size (without holster):</b>                                  | 187 mm L x 87mm W x 32 mm D (7.35 in X 3.41 in x 1.25 in)                |
| <b>Weight (without holster):</b>                                | Approx. 330g (12 oz)                                                     |
| <b>Display:</b>                                                 | Clear, 5 digit liquid crystal                                            |
| <b>Warranty:</b>                                                | 3 years                                                                  |