Fluke 725 Multifunction Process Calibrator

Easy-to-use field calibrator with functions to test and calibrate almost anything.

- Small, streamlined shape makes it easy to carry
- Rugged, reliable design stands up to field use
- Easy-to-read measure/source screen lets you view input and output simultaneously
- Measure volts, mA, RTDs, thermocouples, frequency, and ohms to test sensors and transmitters
- Source/simulate volts, mA, thermocouples, RTDs, frequency, ohms, and pressure to calibrate transmitters
- Measure/source pressure using any of 29 Fluke 700Pxx Pressure Modules
- Source mA with simultaneous pressure measurement to conduct valve and I/P tests
- Support flow meter testing with frequency and counts per minute (CPM) functions
- Perform fast linearity tests with auto step and auto ramp features
- Power transmitters during test using 24 V loop supply with simultaneous mA measurement
- Store frequently-used test setups for later use
- Three-year warranty

Included accessories
- TL75 Test Leads
- AC72 Test Clips
- one pair of stackable test leads
- product overview manual (print)
- and user’s manual (CD-ROM) in 14 languages.

Ordering information
- Fluke-724 Temperature Calibrator (also see page 26)
- Fluke-725 Multifunction Process Calibrator

Specifications - 724 & 725 Calibrators

<table>
<thead>
<tr>
<th>Function</th>
<th>Measure or Source</th>
<th>Range or Type</th>
<th>Resolution</th>
<th>Accuracy</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>0 to 100 mV</td>
<td>0 to 10 V</td>
<td>0.01 mV</td>
<td>±0.02 % Rdg + 2 LSD</td>
<td>Max load, 1 mA</td>
</tr>
<tr>
<td></td>
<td>0 to 30 V</td>
<td>0 to 30 mV</td>
<td>0.01 mV</td>
<td>±0.02 % Rdg + 2 LSD</td>
<td>Max load, 1000 Ω</td>
</tr>
<tr>
<td>mA</td>
<td>0 to 24</td>
<td>0.001 mA</td>
<td>±0.02 % Rdg + 2 LSD</td>
<td>Max load, 1000 Ω</td>
<td></td>
</tr>
<tr>
<td>mV (TC terminals)</td>
<td>-10.00 mV to +75.00 mV</td>
<td>0.01 mV</td>
<td>±0.025 % of range + 1 LSD</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Resistance</td>
<td>15 Ω to 3200 Ω</td>
<td></td>
<td>0.01 Ω to 0.1 Ω</td>
<td>±0.10 Ω to 0.10 Ω</td>
<td></td>
</tr>
<tr>
<td>Frequency</td>
<td>2.0 to 1000 CPM</td>
<td>1 to 10 kHz</td>
<td>0.1 CPM</td>
<td>±0.105 %</td>
<td>For frequency source; 5 V p-p squarewave, 0.1 V offset</td>
</tr>
<tr>
<td></td>
<td>1.0 to 10 kHz</td>
<td>0.1 CPM</td>
<td>±0.05 %</td>
<td>±0.25 %</td>
<td></td>
</tr>
<tr>
<td>Loop Supply</td>
<td>24 V dc</td>
<td></td>
<td>N/A</td>
<td></td>
<td>10 %</td>
</tr>
<tr>
<td>Thermocouples</td>
<td>J, K, T, E, R, S</td>
<td>0.1 ºC, 0.1 °F</td>
<td>±0.7 ºC</td>
<td>±0.7 ºC</td>
<td></td>
</tr>
<tr>
<td></td>
<td>L, U</td>
<td>0.1 ºC, 0.1 °F</td>
<td>±0.2 ºC</td>
<td>±0.2 ºC</td>
<td></td>
</tr>
<tr>
<td>Thermocouples</td>
<td>B, R, S</td>
<td></td>
<td></td>
<td></td>
<td>10 %</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 ºC, 1 °F</td>
<td>±0.2 ºC</td>
<td>±0.2 ºC</td>
<td></td>
</tr>
<tr>
<td>RTDs</td>
<td>Ni120 (272)</td>
<td>Pt 100, 200, 500, 1000 (305)</td>
<td>0.1 ºC, 0.1 °F</td>
<td>±0.2 ºC</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Pt 500 (385)</td>
<td>Pt 500 (3926)</td>
<td></td>
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</tbody>
</table>

* On 724, mA is measure only
* Storage temperature: -20 °C to 71 °C
* Operating temperature: -10 °C to 55 °C
* Relative humidity: 90 % (20 °C to 40 °C); 75 % (20 °C to 50 °C); 65 % (20 °C to 65 °C)
* Shock: 1 meter drop test
* Safety: CSA C22.2 No. 1010.1:1992
* Size: 290 x 95 x 269 mm
* Weight: 650 g (23 oz)
* Battery: Four AA alkaline batteries
* Battery life: 25 hours typical
* Warranty: Three-years

Included accessories
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- AC72 Test Clips
- product overview manual (print)
- and user’s manual (CD-ROM) in 14 languages.

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For more information, go to www.fluke.com/725