

717 30G and 100G Pressure Calibrators

Compact, lightweight, and easy to carry



717 30G and 100G Pressure Calibrators

- Measure pressure, 0.05% of full scale with internal 30 or 100 psig sensor
 - 1/8 NPT pressure fitting
 - Compatible with non-corrosive gases and liquids
- Measure pressure to 10,000 psi/69 mPa using one of 29 Fluke 700Pxx Pressure Modules
- Measure mA with 0.025% accuracy and 0.001 mA resolution, while sourcing 24 V loop power
- Calibrate P/I or I/P transmitter with simultaneous pressure and current measurement
- Select from eleven different engineering units
- Zero, min, max, and hold functions

General features

- Compact and lightweight
- Simple controls
- Clear, 5-digit, liquid crystal display
- Operating temperature: -10 °C to 55 °C
- Safety: CSA C22.2 No. 1010.1:1992
- Three-year warranty
- Included:
 - Fluke 717 30G or 100G Pressure Calibrator
 - Protective yellow holster with Flex-Stand™
 - Test leads and alligator clips
 - Single 9 V alkaline battery
 - Instructions (14 languages)

General specifications

Maximum voltage: 30 volts
Non-operating temperature: -40 °C to 60 °C
Operating temperature: -10 °C to 55 °C
Relative humidity: 95% (10 °C to 30 °C); 75% (30 °C to 40 °C); 45% (40 °C to 50 °C); 35% (50 °C to 55 °C)
Operating altitude: 3,000 m max
Shock: 1 m drop test
Vibration: Random, 2 g, 5-500 Hz
Safety: CSA C22.2 No. 1010.1:1992
EMC: EN50082-1:1992 and EN55022:1994 Class B
Size/weight: 187 mm L x 87 mm W x 32 mm D (7.35 in L x 3.41 in W x 1.25 in D) 330 g (12 oz)
Size/weight (with holster and FlexStand™): 201 mm L x 98 mm W x 52 mm D (7.93 in L x 3.86 in W x 2.06 in D) 600 g (21 oz)
Power: 9 V battery ANSI/NEDA 1604A or IEC 6LR619V alkaline
Battery life: 4 to 20 hours, typical, depending on functions used
Warranty: Three years

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Specifications (18 °C to 28 °C, one year)

	Function	Range	Resolution	Accuracy	Notes
717 100G	Measure pressure ¹ (internal sensor) Over pressure 3xFS	-12 - 100 psi (-83 - 690 kPa)	0.01 psi (10.1 kPa)	0.05 % FS	Gases/liquids (non-corrosive) zero, min, max, hold, damp
717 30G	Measure pressure ¹ (internal sensor) Over pressure 3xFS	-12 - 30 psi (-83 - 207 kPa)	0.001 psi (0.01 kPa)	0.05 % FS	Gasses/liquids (non-corrosive) zero, min, max, hold, damp
	Measure pressure ¹ (with pressure modules) over pressure per pressure module specs	29 pressure modules, 10 in. H ₂ O/2.5 kPa to	To 0.0001 psi, per pressure module specs ²	To .025 % of full span, per pressure module specs ²	Media compatibility per pressure module specs ² zero, min, max, hold, damp
	Measure mA	0 to 24 mA	0.001 mA	0.025 % + 1 count	
	Loop supply	24 V dc	N/A	± 10 %	Drive; 20 mA into 1000 Ω for battery >6.8 V; 700 Ω for battery 5.8 to 6.8 V

¹Supported 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/cm²
²See pressure module specs, per lit code 1281620

Ordering Information

Fluke-717 30G Pressure Calibrator
 Fluke-717 100G Pressure Calibrator

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