



ATEQUIP

Fluke 729 & 729 FC Pressure Specifications

Model	One-year specification 0.02% of full scale (See Manual for detailed specifications)	
729 30G	Psi range, resolution Bar range, resolution kPa range, resolution Comment	-12.0000 to 30.0000 psi -0.82737 to 2.06842 bar -82.737 to 206.843 kPa No wireless communication
729 150G	Psi range, resolution Bar range, resolution kPa range, resolution Comment	-12.000 to 150.000 psi -0.8273 to 10.3421 bar -82.73 to 1034.21 kPa No wireless communication
729 300G	Psi range, resolution Bar range, resolution kPa range, resolution Comment	-12.000 to 300.000 psi -0.8273 to 20.6843 bar -82.73 to 2068.43 kPa No wireless communication
729 30G FC	Psi range, resolution Bar range, resolution kPa range, resolution Comment	-12.0000 to 30.0000 psi -0.82737 to 2.06842 bar -82.737 to 206.843 kPa Wireless communication for Fluke Connect
729 150G FC	Psi range, resolution Bar range, resolution kPa range, resolution Comment	-12.000 to 150.000 psi -0.8273 to 10.3421 bar -82.73 to 1034.21 kPa Wireless communication for Fluke Connect
729 300G FC	Psi range, resolution Bar range, resolution kPa range, resolution Comment	-12.000 to 300.000 psi -0.8273 to 20.6843 bar -82.73 to 2068.43 kPa Wireless communication for Fluke Connect

Fluke 729 & 729 Electrical Specifications

All specifications are valid to 110% of range, except 24 mA source and simulate which are valid to 100% of range.

Ranges	
mA measure, source and simulate	0 mA to 24 mA
Volts dc measure	0 V dc to 30 V dc
Resolution	
mA dc source, simulate and measure	1 μ A
Voltage dc measurement	1 mV
Accuracy	0.01% \pm 2 LSD all ranges (at 23 $^{\circ}$ C \pm 5 $^{\circ}$ C)
Stability	20 ppm of full scale $^{\circ}$ C from -10 $^{\circ}$ C to +18 $^{\circ}$ C and 28 $^{\circ}$ C to +50 $^{\circ}$ C
mA simulate external voltage requirement	12 V dc to 30 V dc
Loop compliance voltage	24 V dc @ 20 mA
mA simulate external voltage requirement	12 V dc to 30 V dc

Temperature measurement only/100 Ω Pt(385) RTD	-50 °C to 150 °C (-58 °F to 302 °F)
Temperature resolution	0.01 °C (0.01 °F)
Temperature accuracy	±0.1 °C (0.2 °F) ±0.25 °C (±0.45 °F) combined uncertainty when using 720 RTD probe (optional accessory)
Drive capability	1200 Ω without HART resistor, 950 Ω with internal HART resistor
Mechanical specification	
Size (HxWxL)	7 x 27.94 x 17.27 cm (2.75 x 11 x 6.8 in)
Weight	6.5 lbs., 2.95 kg
Ingress protection	IP54
Environmental specification	
Operating temperature	-10 °C to 50 °C for measurement, 0 °C to 50 °C for pressure control
Operating temperature with battery	-10 °C to 40 °C
Battery will only charge to 40 °C	
Storage temperature	-40 °C to 60 °C
Operating altitude	3000 m
Storage altitude	13000 m
Wireless (729 FC only)	
Radio frequency certification	FCC ID: T68-FBLE IC:6627A-FBLE
Wireless radio frequency range	2412 MHz to 2462 MHz