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Fluke 705 Loop Calibrator

Specifications

Current Measurement	Range: 0 to 24 mA Resolution: 0.001 mA Accuracy: 0.02% Rdg + 2 LSD
Current Sourcing	Range: 0 to 20 mA or 4 to 20 mA Accuracy: 0.025% Rdg + 2 LSD Drive Capability: 1000 Ω @ 24 mA
Current Simulation	Range: 0 to 20 mA or 4 to 20 mA Accuracy: 0.025% Rdg + 2 LSD Ext. loop voltage requirement: 12-30 V
Loop Power	While measuring mA, 24 V
Voltage measurement	Range: 0 to 28 V DC Resolution: 1 mV Accuracy: 0.025% Rdg + 2 LSD

Environmental Specifications

Operating temperature	-10 °C to 55 °C
Storage temperature	-40 °C to 60 °C
Humidity (Without Condensation)	0 to 90% (0 °C to 35 °C); 0 to 70% (35 °C to 55 °C)
Temperature Coefficient	-10 °C to 18 °C, 28 °C to 55 °C, ±.005% of range per °C

Safety Specifications

Safety	CSA C22.2 No. 1010.1:1992
EMC	EN50082-1:1992 and EN55022:1994 Class B
Maximum voltage	30 V

Mechanical & General Specifications

Size	152 x 70 x 41 mm
Weight	340g
Batteries	One 9V battery
Warranty	Three years
Shock & Vibration	per MIL-T-28800 for a Class 2 Instrument
Display current and % of span	Yes
Auto step, auto ramp	Yes
Span Check	Yes

