



Intrinsically-Safe Loop Calibrator 707Ex

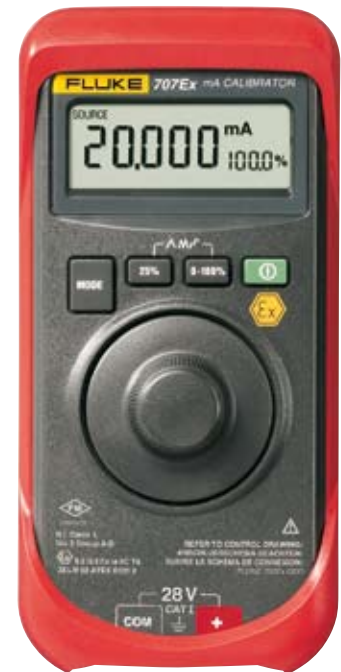
The fast, one-handed tool for loop checks in Ex zones.

The 707Ex is a loop calibrator for use in ex-hazardous areas classified as Zone 1 and 2.

- Large display and simple, quick-click push rotary button for easy one-handed operation.
- Simultaneous mA and % readout for quick, easy, interpretation of readings.
- mA accuracy of 0.015%
- 1 μ A resolution for mA source, simulate and measure.
- Push button with 25% steps for fast, easy linearity checks.
- 0-100% "span check" for fast confirmation of zero and span.
- Internal loop supply, so you can power and read a transmitter at the same time.
- Measures up to 28V dc.
- 0-20 mA or 4-20 mA default start up modes.
- HART[®] compatible resistance is connected in series with the loop supply for compatibility with HART[®] communicators.

Standard delivery:

- 707Ex
- Ex-Holster
- Safety designed test leads
- Alligator test clips
- Battery
- CD-ROM
- Calibration Certificate
- Instruction manual



Accessories:

- DKD calibration
- Calibration Certificate



Also available as a standard ,non-Ex' unit.

Ex-data:

Ex-designation:

Ⓔ II 2 G EEx ia IIC T4

EC-Certificate of conformity:

ZELM 02 ATEX 0120 X



N.I. Class 1 Div. 2 Groups A-D

Technical data:

Maximum voltage:	28 Volt
Storage temperature:	-30 to 60°C
Operating temperature:	-10 to 50°C
Relative humidity:	95% (0 to 30°C); 75% (30 to 40°C); 45% (40°C to 50°C)
Dimensions (HxWxD):	164 x 75 x 47 mm (with holster)
Weight with holster:	350 g
Power supply:	1x 6LR61, type approved
Operating time:	18 hours typical, at 12 mA

Technical data: (Summary specifications (18 °C to 28 °C, one year))

Function	Range	Resolution	Accuracy
Voltage measure	0 to 28V	0.001 V	$\pm(0.015\% \text{ Rdg} + 2 \text{ digits})$
mA measure	0 to 24 mA	0.001 mA	$\pm(0.015\% \text{ Rdg} + 2 \text{ digits})$
mA source ¹	0 to 24 mA	0.001 mA	$\pm(0.015\% \text{ Rdg} + 2 \text{ digits})$
mA simulate ²	0 to 24 mA	0.001 mA	$\pm(0.015\% \text{ Rdg} + 2 \text{ digits})$
Loop supply	24V	n/a	24V \pm 1V dc, no load

Temperature Coefficient, -10 to 18°C, 28 to 55°C: $\pm 0.005\%$ of range per °C;

¹ Max load, 700 Ohms at 20 mA

² Max applied voltage for simulation, 28V