

Measurement, Calibration, Maintenance

Safe and easy to operate

Successful production and effective quality assurance depend on accurate equipment and precise data. This means that regular measurement and calibration are among the most important and most challenging tasks that companies have to perform.

Measuring electrical variables or calibrating sensors in hazardous areas like those in the chemical and petrochemical industries requires extra caution. By using devices that are specially certified for these areas, checks can be carried out safely and precisely on-site, saving time and money.

ecom offers a wide range of safe and reliable mobile solutions for measurement and calibration in hazardous and non-hazardous areas. Whether you need a multimeter, a process calibrator, or a device for measuring temperature or current loop, ecom has you covered.

No matter how diverse the application, our devices guarantee the same advantages: safe and easy to operate, powerful, and ergonomically designed.

Multimeter FLUKE 28 II EX

- CAT III 1000 V/CAT IV 600 V
- Dustproof, waterproof (IP67)
- Measures up to 1000 V/10 A (outside of the hazardous area)
- Min/max/avg and peak capture
- Low-pass filter for accurate measurements on variable speed motor drives
- Input alert
- 4,5" digit display (20,000 counts) with backlight



Technical Data	
Measurement range	Detailed information: www.ecom-ex.com
Storage temperature	-40 °C ... +60 °C (-40 °F ... +140 °F) (without batteries)
Operating time	approx. 400 h
Power supply	3x AAA (type-proofed)
Dimensions	approx. 210 mm x 100 mm x 64 mm (~ 8.3" x 3.9" 2.5") with holster
Weight	approx. 690 g (~ 24.3 oz)
Protective rating	IP67

Infrared Thermometer FLUKE 568 EX

- Präzise Messungen mit höchster Genauigkeit
- Einfache Messung schwer erreichbarer Objekte
- Messungen von Zone 1 in Zone 0
- Messung bewegter Materialien
- Einfache Einstellung des Emissionsgrades
- Datenprotokollierung für bis zu 99 Messpunkte
- Sechs Sprachen zur Auswahl



Technical Data	
Infrared temperature range	-40 °C ... +800 °C (-104 °F ... +1,472 °F)
Display	0.1 °C / 0.1 °F
Accuracy	>0 °C ± 1 °C or 1 %, whichever is greater
Distance to measurement spot size (D:S)	50:1
Battery life	4 h (continuous operation)
Power supply	2x AAA (type-proofed)
Emissivity adjustment	Digitally from 0.1 to 1.00 by 0.01

Temperature Meter Ex-MP4 a

- Extended measuring range: to +400 °C (+752 °F)
- High accuracy
- Simple operation
- Quick response time
- Laser target sighting
- Measure from Zone 1 to Zone 0



Technical Data	
Temperature range	-18 °C ... +400 °C (-0.4 °F ... +752 °F)
Display resolution	0.2 °C
Accuracy (23°C)	-18 °C ... -1 °C ±3 °C, -1 °C ... +400 °C ±2 % or ±2 °C of reading, whichever is greater
Repeatability	±2 % of reading or ±2 °C, whichever is greater
Response time (95%)	500 msec
Emissivity	preset 0.95
Power supply	1x 6LR61 (type-proofed)

Loop Calibrator 707Ex

- mA accuracy of 0.015 %
- 0 ... 100 % "span check" for fast confirmation of zero and span
- 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
- Internal current loop supply (24 V)



Technical Data	
Measurement range	Detailed information: www.ecom-ex.com
Ambient temperature	-10 °C ... +50 °C (+14 °F ... +122 °F)
Storage temperature	-30 °C ... +60 °C (-22 °F ... +140 °F)
Operating time	18 h typical, at 12 mA
Power supply	1x 6LR61 according to IEC (type-proofed)
Dimensions	164 mm x 75 mm x 47 mm (~ 6.5" x 3" x 1.9")
Weight	350 g (~ 12.3 oz)

Magnet Probe Magnet-Ex 12

- Highly sensitive probe point
- No contact with test object required
- Resistant to dirt
- Optical indication
- Built-in test magnet for testing Magnet-Ex 12 and for battery check
- IP54



Technical Data	
Magnetic field types	Alternating, direct, and permanent fields
Ambient temperature	-20 °C ... +50 °C (-4 °F ... +122 °F)
Storage temperature	-40 °C ... +60 °C (-40 °F ... +140 °F)
Power supply	2x LR03 according to IEC (type-proofed)
Dimensions	150 mm x 18 mm (L x ø) (~ 5.9" x 0.7")
Weight	approx. 60 g (~ 2.1 oz) with batteries

Wall Clock Ex-Time 40

- Quartz movement
- Robust metal housing
- Simple daylight saving



Technical Data	
Ambient temperature	±0 °C ... +50 °C (+32 °F ... +122 °F)
Accuracy	-5/+15 seconds per month
Operating time	1 year
Power supply	1x LR14 according to IEC (type-proofed)
Dimensions	400 mm x 60 mm (~ 15.7" x 2.4")
Weight	approx. 2.0 kg (~ 70.5 oz)