INTRINSICALLY SAFE DIGITAL INFRARED THERMOMETER Model - IRL-7Ex



Ex ib I Mb (Class1)

Intrinsically safe Infrared Thermometer is a professional-grade non-contact high-precision infrared temperature detection instrument, which can quickly and accurately determine the surface temperature of the target by measuring the infrared energy radiated by the target surface. It has the characteristics of ruggedness, small volume, and high precision, dustproof, waterproof and easy to use.

The thermometer is mainly suitable for non-contact rapid measurement of the temperature of the object surface in the working environment with flammable, explosive and combustible gas mixture .

✶ **Display :** Single Laser display with LCD Backlight. display.
✶ **Display Size :** 1.5 inch

✶ FUNCTIONS :

- **Distance spot ratio :** 20:1
- **Temperature Range :** -32°C ~ 700°C
- **Accuracy :** -32 < T ≤ 0 (± 2°C); 0 < T ≤ 100 (± 1.5°C); 100 < T ≤ 700 (± 2%) of the true value
- **Resolution :** 0.1°C (0.1°F)
- **Spectrum response :** 8μm ~ 14μm
- **Response Time :** 250ms (95% of reading)
- **Emissivity Adjustable:** 0.01 to 1.00
- **Operating Temperature Range:** 0°C~ 40°C Humidity : <90% (non-condensing)

✶ SAFETY :

- Ex ib I Mb (Class1)

✶ ADDITIONAL FUNCTIONS :

- Single laser sighting
- Switchable Celsius and Fahrenheit
- Max / Min / Avg / Dif Temperature Measurement.
- Data Storage
- High / Low Temperature Alarm Setup
- Mines, Oil, Gas Environment.
- Low Battery Indication.
- Auto Power Off after 10 seconds.

✶ **Power supply :** Standard single 9V battery.
✶ **Dimension :** Approx. 180(H) x 130(W) x 53(D)mm
✶ **Weight :** Approx. 300 g.(including battery)
✶ **Accessories :** User Manual, battery, Screw Driver & Carrying case.

CLAMP GROUND RESISTANCE TESTER Model - KM 1690

Explosion Proof Type
Double Insulation Grade
CAT III 300V CAT IV 150V



CE Approved

✶ **Display :** 4 Digit LCD backlight display.
✶ **Jaw Size :** 55 x 32 mm
✶ **LCD Dimension :** 46mm×29mm

✶ FUNCTIONS :

- **Resistance :** 0.001Ω ~ 1200Ω
- **Resistance Resolution :** 0.001Ω
- **Calibration Loop :** 1Ω & 10Ω
- **External Magnetic Field :** < 40A / m
- **External Electric Field :** < 1V / m
- **Insulation Resistance :** >20MΩ or more (500V between circuit and outside)
- **Breakdown :** AC 3700V/rms (between circuit and outside)

✶ SAFETY:

- IEC61010-1(CAT III 300V, CAT IV 150V, Pollution Degree 2); IEC61010-031; IEC61557-1 (grounding resistance)

✶ ADDITIONAL FUNCTIONS :

- Explosion-proof Type
- New design, long life clamp head
- Measure Time : 2 time/sec.
- Quick self-test function without waiting (5.1Ω Coil)
- Using fast filtering technology
- Strong anti-interference ability
- 300 sets of storage
- Low Battery indication.
- Auto power off after 5 minutes..

✶ **Power supply :** 4 x 1.5 AA Alkaline dry Battery
✶ **Weight :** Approx. 1180gm (with battery)
✶ **Dimension :** Approx. 285(L) x 85(W) x 56(D) mm
✶ **Accessories :** Battery, Calibration ring, Instruction Manuals & Carrying case

FLAMEPROOF TYPE EARTH RESISTANCE TESTER Model - KM 1820EX

Double Insulation Grade
Ex ia IIBT3Ga
Data Storage 99 units
CAT III 150V



CE Approved

Grounding resistance and circuit resistance test in flammable and explosive area.

✶ **Display :** 4 Digit LCD backlight display.
✶ **LCD Dimension :** 47(L) × 28.5(W) mm
✶ **Jaw Size :** 65 x 32 mm

✶ FUNCTIONS :

- **Test Ring :** 5.1Ω
- **Resistance :** 0.010Ω ~ 1200Ω (8 steps)
- **Resistance Resolution :** 0.001Ω
- **Resistance Accuracy :** ± (1% + 0.01Ω)
- **Alarm Critical Value Setting Range :** Resistance : 1-199Ω
- **External Magnetic Electric field :** < 40A/m; < 1V/m
- **Single Measurement Time :** 0.5s
- **Resistance Measurement Frequency :** > 1KHz
- **Shift :** Automatic
- **Data Storage:** 99 unit

✶ SAFETY:

- EX-MARK : Ex ia IIBT3Ga

✶ ADDITIONAL FUNCTIONS :

- Explosion-proof products, can be used in the corresponding environment, the shell is made of anti-static engineering plastic and safer.
- Ex-mark: Exia II BT3Ga, Explosion-proof qualified No.: CE13.2263
- When measuring the loop earth system, no need to disconnect the grounding down leads, no need with auxiliary electrode.
- Clamp Earth Resistance Tester can measure the ground fault which can't be measured by traditional method, and apply in the situation where traditional methods could not measure.
- Audible and visible alarm, data memory (99 units), data hold functions.

✶ **Power supply :** 6VDC (4 PCS AA alkaline dry battery)
✶ **Weight :** Approx. 1160gm
✶ **Dimension :** Approx. 285(L) x 85(W) x 56(H) mm
✶ **Accessories :** Test Ring, Batteries, User Manual & Carrying case.