DIGITAL INFRARED THERMOMETERS

ONLINE INFRARED THERMOMETER OR TRANSMITTER

Model - KM 6816-2 (DT 8300B) / KM 6816-3 (DT 8600B)
KM 6816-4 (DT 8012B) / KM 6816-5 (DT 8018B)

IP65

Aluminium Alloy Shell



CE Approved

✳ FUNCTIONS :

Model	Temperature Range	DS Ratio
KM 6816-2	-50°C~300°C (-58°F~572°F)	16:1
KM 6816-3	-50°C~600°C (32°F~1112°F)	50:1
KM 6816-4	-50°C~1200°C (-58°F~2192°F)	50:1
KM 6816-5	-50°C~1800°C (-58°F~3272°F)	50:1

- **Spectral Response :** 8 - 14µm
- **Response Time :** 500ms
- **Accuracy :** ± 2% or 2°C
- **Repeatability :** ± 1% or ± 1°C
- **Emissivity :** 0.95
- **Standard Wire Length :** 2M (or can be 5M or 10M or other length you need)
- **Analog Output :** RT-A : 4 ~ 20mA
- **Environmental Temperature :** 0 - 50°C
- **Storage Temperature :** -20 - 50°C
- **Relative Humidity :** 10 - 95% RH

✳ ADDITIONAL FUNCTIONS :

- With CE approval and protection against electromagnetic disturbance for EU standard.
- The power of infrared radiation can be transformed to electric signal by detector and electronic circuit.
- High precision & High optical resolution ratio.
- **Main Assemblies :** Lens, Spectrum filter, Detector, Electronic circuit (Amplifier / linearization / signal processing)
- **Isolation :** Power, digital output and analog output are isolated and do not interfere with each other.
- **Protection Level :** IP65 (NEMA-4)

✳ **Power supply :** External 24V DC; The Maximum Current : 50mA

✳ **Weight :** Approx. 300 g. (including battery)

INFRARED TEMPERATURE TRANSMITTER

Model - KM 8300-BX / KM 8600-BX

With CE approval and protection against Electromagnetic Disturbance for EU standard

NEW

IP65



CE Approved

As an Integrated transmitter infrared thermometer, have the integration of the sensor, the optical system and the electronic circuit inside its stainless steel or aluminum alloy shell. It can be installed very conveniently by making the standard screw thread on the product to be joined with the installation position.

✳ FUNCTIONS :

- **Temperature Range : KM 8300-BX :** -50°C ~ 300°C
  KM 8600-BX : -50°C ~ 600°C
- **Spectral Response :** 8 - 14µm
- **Distance spot Ratio :** 20:1
- **Response Time :** 500ms
- **Accuracy :** ≤100°C ± 2°C, ≥100°C ± 2%
- **Repeatability :** ± 1% or ± 1°C
- **Emissivity :** 0.95 fixed
- **The Maximum Current :** 50mA
- **Analog Output :** RT-A : 4-20mA
- **Protection Level :** IP65 (NEMA-4)
- **Operating Temperature :** 0 ~ 50°C
- **Relative Humidity :** 10 ~ 95%
- **Isolation :** Power, digital output and analog output are isolated and do not interfere with each other.
- **Shell Material :** Stainless steel
- **Standard Wire Length :** 2M

✳ ADDITIONAL FUNCTIONS :

- High precision
- High optical resolution ratio
- Firm metal shell
- Output : 4-20mA DC
- Optimum test distance : 36cm for best accuracy

✳ **Power supply :** 24V DC;

✳ **Size:** Φ18mm x 128mm length.

✳ **Weight :** Approx. 300 g. (including battery)