



INFRARED THERMO HiTESTER 3419-20

Environmental measuring instruments



Pistol design with easy-to-see display
Measuring couldn't be easier !



Measure safely even in dangerous places



Laser Marker

Trigger

Simple, one-hand operation

Strap

LCD



Backlight for operating even in the dark

- Easy Battery Replacement
- F/C Selectable
- Audible Alarm Feature



ISO 9001
JMI-0216



ISO14001
JQA-E-90091

One-touch measurement – just pull the trigger



Begin measuring



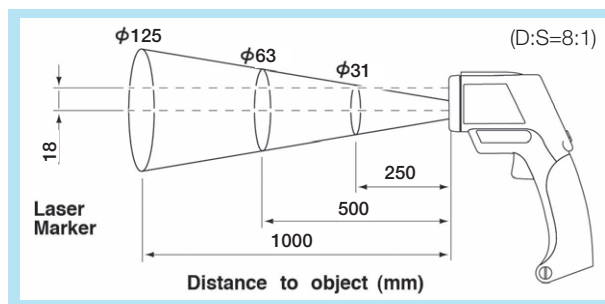
Useful Functions

- Max/Min Function
- Upper and Lower Alarm Setting
- Stores up to 50 measurements
- Auto Power Off
- Backlight

Specifications

| | |
|------------------------------------|--|
| Detection element | Thermopile |
| Measurement temperature range | -35 to 500 °C (-31 to 932 °F) |
| Display resolution | 0.1 °C (0.2 °F) |
| Response time | 2 times/ second |
| Measurement wavelength | 6 to 14 μm |
| Thermal emissivity compensation | 0.17 to 1.00 by steps of 0.01 |
| Diameter of field of measurement | 125 mm at 1000 mm (D : S= 8 : 1) |
| Sighting | Laser marker MAX 1 mW (class 2), Red |
| Power supply | 6F22 manganese battery × 1 or 6LR61 alkaline battery × 1 |
| Continuous operating time | Approx. 55 hours (manganese battery), Approx. 80 hours (alkaline battery), When laser marker and backlight are OFF |
| Accuracy | -35.0 to -0.1 °C : ± 10 % rdg. ± 2 °C 0.0 to 100.0 °C : ± 2 °C 100.1 to 500.0 °C : ± 2 % rdg. |
| Temperature coefficient | Measurement accuracy × 0.1/ °C |
| Dimensions | Approx. 46 W × 172 H × 118 D mm (1.81" W × 6.77" H × 4.65" D)(excluding projections) |
| Mass | Approx. 220 g (7.8 oz.) (including manganese battery × 1) |
| Location for use | Indoors, altitude up to 2000 m (6562-ft.) |
| Operating temperature and humidity | 0 to 50 °C (32 °F to 122 °F), 80%RH or less (non-condensating) |
| Storage temperature and humidity | -10 to 50 °C (14 °F to 122 °F), 80%RH or less (non-condensating) 50 to 60 °C (122 °F to 140 °F), 70%RH or less (non-condensating) |
| Applicable standards | EMC : EN61326 Laser : IEC60825-1 CLASS 2 LASER |
| Additional Function | MAX/ MIN display, Alarm function, Backlight function, Memory (50 data) |
| Accessories | Instruction manual, 6F22 manganese battery × 1(supplied with this product for monitor), Carrying case × 1 |

Measurement focus



Option

Black body tape

(50 mm × 10 m, 1 roll) Withstands 180 °C ε=0.95

*Optional use of black body tape allows increased emissivity in order to obtain accurate temperature measurements on low-emissivity materials such as metals.



Accessories
Carrying case

Laser Product Caution Notice

A caution label is attached to the HiTester. Be sure to observe the operating precautions on the label.



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