

**New**

## 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



Easy Measurement in difficult locations



Moving objects that can't be touched



Wherever there is danger of electric shock

Laser Marker

LCD



Backlight for operating even in the dark

Trigger

Simple, one-hand operation



Strap



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

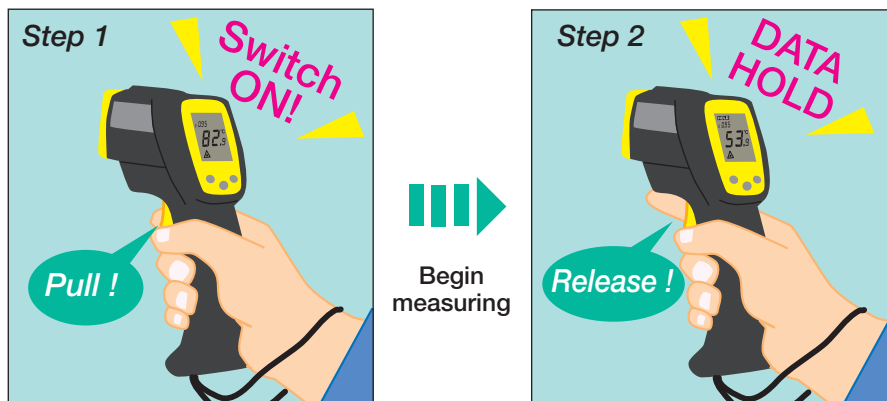


ISO 9001  
JMM-0216



ISO 14001  
JQA-E-90091

# One-touch measurement – just pull the trigger



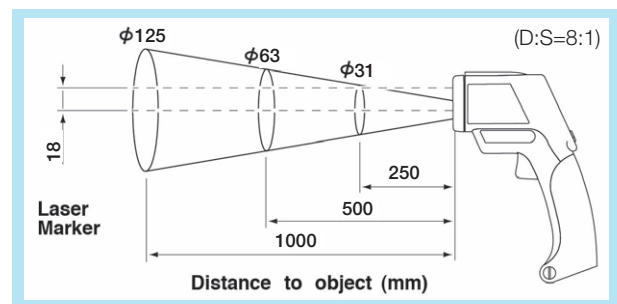
## Useful Functions

- 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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