

## Professional - Infraredthermometer with laser and 20:1 optical resolution

### PROSCAN

- Temperature range from -32 up to 530 °C
- Precision glass optics for accurate noncontact temperature measurement
- Fast 0.3 second scanning of cold and hot spots
- Exact measurement of objects as small as 13 mm in any distance less than 140 mm
- Optical resolution 20:1
- Laser sighting with narrow beam aiming for accurate readings
- Adjustable acoustic High/Low-alarm



#### Applications

Non contact thermometers use infrared technology to measure of materials up close, or from a distance. You simply aim, pull the trigger, and read the temperature (response time approx. 0.3 second).

A wide temperature range of -32 to 530 °C, laser aiming and an optical resolution of 20:1 allow technicians to carry out accurate noncontact surface measurements for electrical and mechanical maintenance, HVAC checks, automotive testing and other applications, anywhere that temperature is a factor.

#### Mechanical Maintenance

Observe temperatures of motors and drives, bearings and valves. Gather temperature data of heating and ventilation components. Check furnace performance and steam distribution systems.

#### Electrical Maintenance

Infrared thermometer are proven time saving tools for predictive maintenance of electrical systems. Check out temperature problems safely with connectors, fuses, electric motors, motor windings, insulations, electrical wiring and electrical cabinets before damages occur.

#### Automotive Testing

Check temperatures of engines and catalytic converters, scan ignition system problems, analyse cooling system restrictions, diagnose air conditioning systems, check tyres and brakes with uneven braking.

#### Technical Data

Temperature range	-32 - 530 °C (-20 - 980 °F)
System accuracy	± 1 % or ± 1 °C from 0 °C to 530 °C ± 1 °C ± 0.07 °C/°C from 0 °C to -32 °C
Optical resolution (D:S)	20:1
Display resolution	0.1 °C (0.1 °F)
Response time(95%)	300 ms
Ambient temperature	0 - 50 °C
Spectral response	8 - 14 µm
Emissivity	0.100 - 1.000
Signal processing	Min/Max/Scan/Hold/Offset/°C/°F
Backlight	Yes
High/Low alarm	Visual and acoustic
Laser	<1 mW Laser class IIa, narrow 9 mm Offset
Weight/Dimensions	150 g; 190 x 38 x 45 mm
Batterie	9 V Alkaline battery
Battery life	20 hours with 50% laser and backlight; 40 hours laser and backlight off