Hand held devices

already for 109,- €

thermoMETER MS

General purpose infrared thermometer for standard applications

- Measuring range from -32 to 760°C
- Special treated precision optics
- Optical resolution 40:1
- Laser aiming aid
- Adjustable visual and acustic alarm
- USB interface and graphic software with oscilloscope function
- Quick scanning within 0,3 seconds
- Extremely light (150g) and user-friendly design

spot size depending to distance				
MS / MS Plus (20:1)	13mm	20mm	37mm	50mm
distance	140mm	300mm	700mm	1000mm
MS Pro (40:1)	13mm	15mm	22mm	27mm
distance	260mm	400mm	800mm	1000mm

Model	MS	MS Plus	MS Pro
Optical resolution	20:1		40:1
Temperature range [1]	-32°C to 420°C	-32°C to 530°C	-32°C to 760°C
Spectral range	8 to 14µm		
System accuracy [2,3]	±1% / ±1°C (from 0°C to 420°C)	±1% / ±1°C (from 0°C to 530°C)	±1% / ±1°C (from 0°C to 760°C)
Repeatability [2,3]	±0,5% / ±0,7°C (from 0°C to 420°C)	±0,5% / ±0,7°C (from 0°C to 530°C)	±0,75% / ±0,75°C (from 0°C to 760°C)
	±0,7°C ± 0,05°C/°C (from 0°C to -32°C)		±0,75°C ±0,07°C/°C (from 0°C to -32°C)
Temperature resolution	0,2°C	0,1°C	
Response time	300ms (95%)		
Ambient temperature	0°C to 50°C		
Storage temperature	-20°C to 60°C without battery		
Emissivity	fixed: 0,95	0,1 - 1,1 (adjustable)	
Configurations	Min/Max/Hold/°C/°F	Min/Max/Hold/°C/°F/Offset	
Alarm functions	-	Visual and acoustic HIGH-/LOW-alarm	
PC interface, Software, Thermocouple Input	USB interface	USB interface, IRConnect software	USB interface, IRConnect software, thermocouple element type K
Laser	< 1mW laser class IIa / laser beam with 9 mm offset		
Weight/Dimensions	150g; 190 x 38 x 45mm		180g; 190 x 38 x 45mm
Battery	9V alkaline battery		
Battery life	20h with laser and backlight on 50%;		
	40h with laser and backlight off		
Relative humidity	10 - 95% RH non condensing, at < 30°C ambient temperature		
Standard accessories	-	soft pouch, wrist strap, tripod adapter, rubber protection boot	
Optional	certificate of calibration		
Price	109,- €	146,- €	287,- €

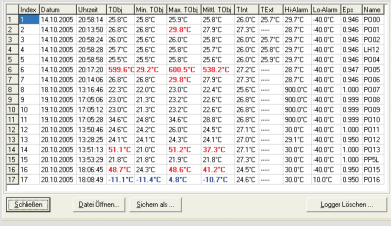
[1] adjustable via software
[2] object temperature > 0°C; whichever is greater
[3] ± at ambient temperature 23 < 5°C

Software IRConnect

- Data logging
- Display and recording of temperature graphs
- Modifications of handheld settings

System requirements

- Windows XP, 2000
- USB 2.0
- Hard disc min. 30MB
- min. 128MB RAM
- CD-ROM drive



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