
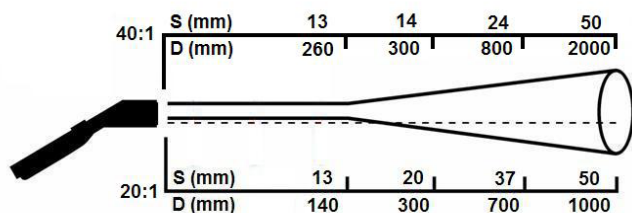


Technical data

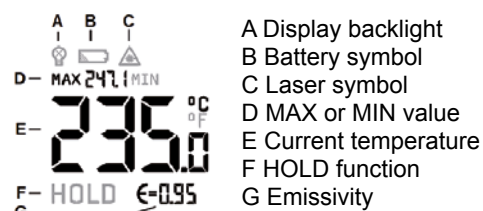
Base Model	MS	MS	MS
Type	-	Plus	Pro
			
Temperature ranges	-32°C to 420°C (-20°F to 788°F)	-32°C to 530°C (-20°F to 980°F)	-32°C to 760°C (-20°F to 1440°F)
System accuracy (at T _{amb} = 23 ±5°C)	± 1% or ± 1°C (20...420°C) ± 1.5°C (19.9...0°C) ± 2.5°C (-0.1...-20°C) ± 3°C (-20.1...-32°C)	± 1% or ± 1°C (20...530°C) ± 1.5°C (19.9...0°C) ± 2.5°C (-0.1...-20°C) ± 3°C (-20.1...-32°C)	± 1% or ± 1°C (20...760°C) ± 1.5°C (19.9...0°C) ± 2.5°C (-0.1...-20°C) ± 3°C (-20.1...-32°C)
Repeatability	± 0.5% or ± 0.7°C (20...420°C)	± 0.5% or ± 0.7°C (20...530°C)	± 0.75% or ± 0.75°C (20...760°C)
Optical resolution (D:S)	20:1, 13 mm spot size (D < 140 mm)	20:1, 13 mm spot size (D < 140 mm)	40:1, 13 mm spot size (D < 260 mm)
Resolution (display)	0.2°C (0.5°F)	0.1°C (0.1°F)	0.1°C (0.1°F)
Response time (95%)	300 ms	300 ms	300 ms
Ambient temperature	0°C to 50°C	0°C to 50°C	0°C to 50°C
Storage temperature	-20°C to 60°C without battery	-20°C to 60°C without battery	-20°C to 60°C without battery
Spectral range	8 - 14 µm	8 - 14 µm	8 - 14 µm
Emissivity	fixed: 0.95	0.100 – 1.100 adjustable	0.100 – 1.100 adjustable
Configurations	Min/Max/Hold/°C/°F	Min/Max/Hold/°C/°F/Offset	Min/Max/Hold/°C/°F/Offset
Alarm functions	-	Visual LCD alarm colors and acoustic HIGH-/LOW-alarm	Visual LCD alarm colors and acoustic HIGH-/LOW-alarm
PC Interface, Software, Thermocouple Input	USB interface	USB interface, OptrisConnect report software	USB interface, OptrisConnect report software, thermocouple element type K
Laser	<1 mW laser class IIa, laser beam with 9 mm offset	<1 mW laser class IIa, laser beam with 9 mm offset	<1 mW laser class IIa, laser beam with 9 mm offset
Weight/dimensions	150 g, 190 x 38 x 45 mm	150 g, 190 x 38 x 45 mm	180 g; 190 x 38 x 45 mm
Battery	9 V alkaline battery	9 V alkaline battery	9 V alkaline battery
Battery life	40 hours with laser and backlight off, 20 hours with laser and backlight on 50%	40 hours with laser and backlight off, 20 hours with laser and backlight on 50%	40 hours with laser and backlight off, 20 hours with laser and backlight on 50%
Relative humidity	10 – 95 % RH non condensing, at <30°C ambient temperature	10 – 95 % RH non condensing, at <30°C ambient temperature	10 – 95 % RH non condensing, at <30°C ambient temperature
Scope of Supply	9 V alkaline battery, operators manual	9 V alkaline battery, operators manual, wrist strap, pouch, protection boot, adapter for photo tripod, USB interface cable, OptrisConnect Report software	9 V alkaline battery, operators manual, wrist strap, pouch, protection boot, adapter for photo tripod, USB interface cable, OptrisConnect Report software, thermocouple insertion probe type K

Optics and Display

Distance-to-Spot-Ratio D:S



Display (MS)



Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48

Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Копомна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81
Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Киргизия (996)312-96-26-47

Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Саранск (8342)22-96-24
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Россия (495)268-04-70

Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35
Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93
Казахстан (772)734-952-31