

HEAT SPY® MONITOR R10 SERIES COMPACT FIXED INFRARED SENSOR



. Impressive precision
. Compact integrated sensor - easy to install
. Temperature range 0 ° to 500 ° C (32 ° to 932 ° C)
. 4-20mA linear analog output
. D: S: 20.1
. IP65 (NEMA4)
. Constructed of 304 stainless steel
. 24 V DC power supply

Description

Overview:

Need to measure a small target accurately? too hot to get closer?
Only one infrared product can solve these problems: the wahl R10 Heat Spy!
Get a more accurate measurement at a safer distance with confidence!

Specifications

Measuring Specifications	
Range	0° to 500°C, 32° to 932°F
D:s Ration	20:1
Spectral Range	8 – 14 µm
Accuracy	0° to 500°C: ± 1% of reading or ± 2°C, whichever is greater
Repeatabillity	1% or ±1°C
Response Time	500 mS
Emissivity	0.95 fixed

Sensor Specifications	
Ambient temperature	0° to 70°C (32° to 158°F)
With water cooling	0° to 90°C (32° to 194°F)
With air cooling	0° to 200°C (32° to 392°F)
Storage	-20° to 70°C (-4° to 158°F)
Relative Humidity	10% - 95% non-condensing
Protection class	IP65 (NEMA 4)
Shock & Vibration	MIL-STD-810D
Housing material	304 Stainless Steel
Dimensions	18mm Dia. x 120mm (0.7 x 4.75 in) / Thread: M18 x 1
weight	270 g (9.52 oz)

Distance (mm)	0	200	400	600	800	1000
Target (mm)	8.9	10	20	30	40	50
Distance (in)	0	8	16	24	32	40
Target (in)	0.35	0.4	0.8	1.2	1.6	2

Models and accessories

Accessories

R10 surface supports:
16151- R10 Surface mount bracket, fixed, 18.25mm (0.7 ") dia.
16153-R10 Surface mount bracket, adjustable, 18.25mm (0.7 ") diameter.

Air purge

R10 Compact air vent clamp:
16171 -R10 air purge collar, steps M18x1, outside diameter 30 mm (1.18 ")
(An air purge is used to remove dust, dirt, heat, fumes or vapors from the front of the optical head and to keep the lens clean.)

AIR / WATER COOLING JACKE

R10 Air / water cooling jacket:
16180 - R10 air / water cooling jacket - 31.75mm (1.25 ") diameter by 114.3mm (4.50") long, with 2 x 1/8 "FNPT fittings.
(For a horn installed in a very hot environment, a cooling jacket is used to cool the electronics.)

POWER SUPPLY :

16116 - Compact AC / DC power supply unit, 24V, 31W
16117 - AC / DC power supply unit, 24V, 25 to 150 W