



Infrared temperature sensor ZISEIRLIBGPMAT2020

Instruction Manual

21/02 - Code: ISTR_M_ZIS-2020_E_00_--

Description

The sensors of the ZISEIRLIBGPMAT2020 series are noncontact infrared temperature sensors.

They calculate the surface temperature based on the emitted infrared energy of objects.

The sensor housing of the sensor is made of stainless steel/aluminium (IP65/ NEMA-4 rating) – the electronics is integrated inside the connection cable.

These sensors are sensitive optical systems. Please use only the thread for mechanical installation.
Avoid mechanical violence on the head – this may destroy the system (expiry of warranty).

Scope of Supply

- ZISEIRLIBGPMAT2020 includes. connection cable, mounting nut and operators manual

Maintenance

Lens cleaning: Blow off loose particles using clean compressed air. The lens surface can be cleaned with a soft, humid tissue moistened with water or a water based glass cleaner.

PLEASE NOTE: Never use cleaning compounds which contain solvents (neither for the lens nor for the housing).

Cautions

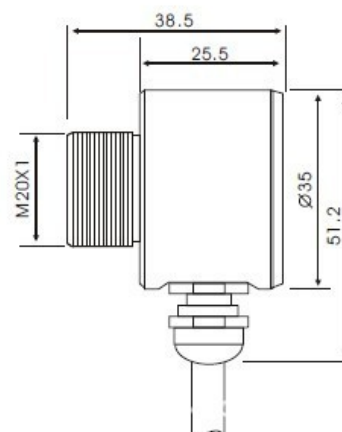
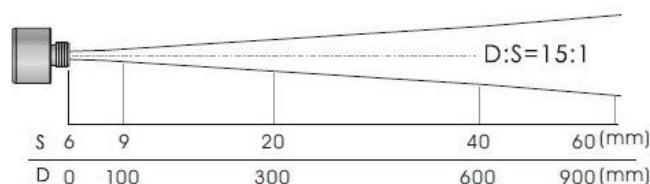
Avoid static electricity. Sensors of the Libra series should not be used close to arc welders, induction heaters or very strong EMF (electromagnetic fields). Avoid abrupt changes of the ambient temperature.

In case of problems or questions which may arise when you use the sensor, please contact our service department.

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Technical specifications

Temperature range	0-500°C
Spectral range	8-14µm
Optical resolution	15:1, 20mm@300mm
System accuracy	±1% or ±2°C
Repeatability	±0.5% or ±1°C
Response time	300 ms(90%)
Emissivity	0.95
Outputs/analog	4-20mA 2 wires (500ohm)
Power supply	24 VDC±20%
Environmental rating	IP65 (NEMA-4)
Ambient temperature	0...60 °C
Storage temperature	-20...80 °C
Relative humidity	10...95 %, non condensing
Material	Stainless steel/Aluminium
Dimensions	38mm x Ø35mm (Length x Diameter)
	M20 thread
Cable length	1m (standard), 3 m, 8 m, 15 m (on request)



Electrical Installation

