

COMPACT INFRARED THERMOMETER

Smart IR2



*Small and high-speed separated detector,
resistant to heat, suitable for built-in system!*

Smart IR2 has separated detector and main unit to make the detector smaller and can be used at high temperature condition.

Main unit has digital temperature displays and parameter setting function.

Enables long stable measurement at affordable price.



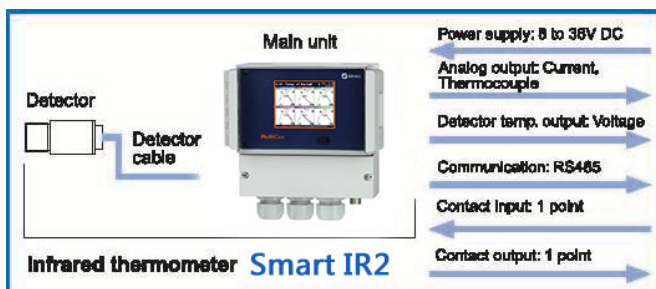
FEATURES

- High accuracy and stable measurement even the environment temperature changes.
- High speed response time 15ms, corresponds to production line requiring quick tracking.
- Wide range temperature range from low to high temperature (0 to 1000°C)

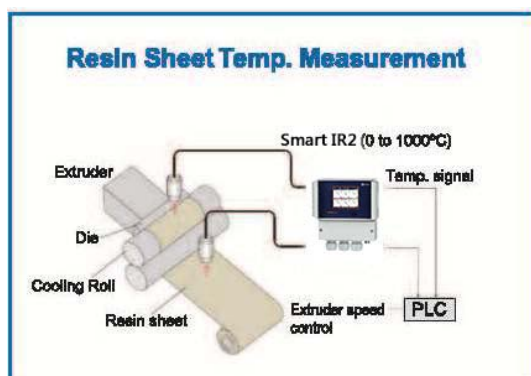
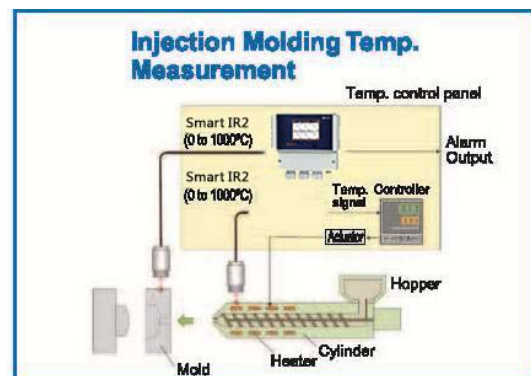
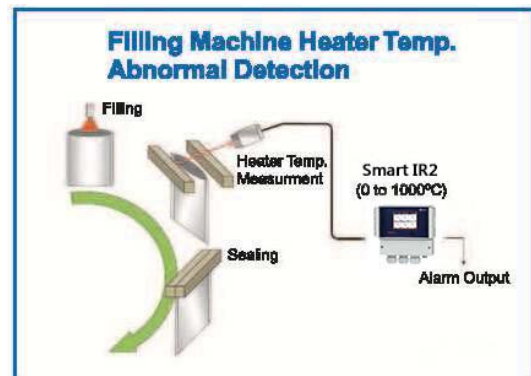
MODELS

- Smart IR2
- └─ Detector cable length
- 1 : 1.5m
 - 3 : 3m
 - 8 : 8m*1
 - F : 15m*1
- *1 CE Marking non-approved

CONFIGURATION



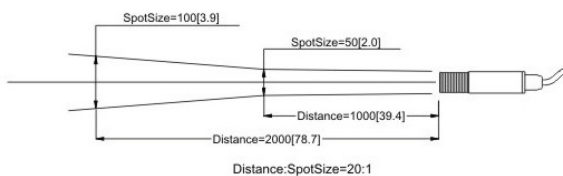
APPLICATIONS



GENERAL SPECIFICATIONS

Model	Smart IR2
Measuring range	0 to 1000°C
Element	Thermopile
Measuring wavelength	8 to 14 μm
Accuracy rating	Accuracy rating*1 Below 20°C: ±2°C 20°C to below 100°C: ±1°C 100°C or above: ±1% of measuring value
Response time	15ms
Emissivity adjustment	1.999 to 0.100
Measuring diameter	φ8mm/200mm
Working temperature	Detector: -20 to 100°C Main unit: -10 to 65°C
Analog output	Detput 1: Measured temp. value (select below by main unit) Curent output 0 to 20mA DC/4 to 20mA DC T/C output J/K/R/S Output 2: Detector temp. 0 to 5 V/-20 to 180°C
Contact input/output	Contact input: 1 point, sample hold/reset Contact output: 1 point, high/low alarm, self-diagnosis(open collector)
Serial communication	RS485(MODBUS)
Power supply	8 to 36V DC
Detector csble	Length 1.5m/3m/8m/15m(wire part)*2 OD: φ3.3mm Covering: Fluorine resin
CE Marking	EMC directive---EN61326-1 Class A (except IR-BZPHGE8, IR-BPHGEF) Conformity requirements ---Use of power connecting cable up to 30m (indoor use).

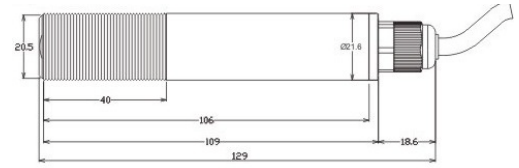
MEASURING DIAMETER & DISTANCE



EXTERNAL DIMENSIONS

Infrared thermometer

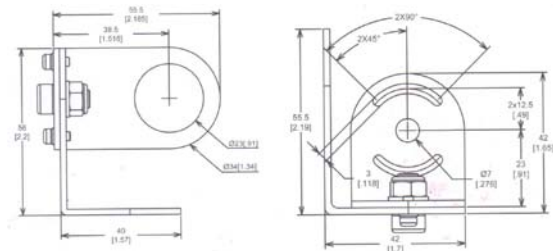
Detector



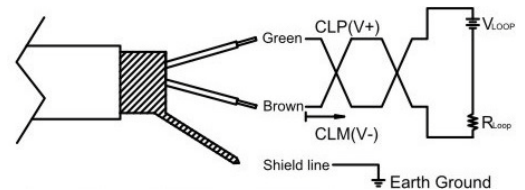
Main unit



Mounting bracket



Connecting cable (for power supply and signals)



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