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Temperature Range	-20 to 500°C		-20 to 1000°C		-40 to 1000°C		45 to 2000°C	
Spectral Range	8 to 14 µm							
Optics (ratio of Emissivity Setting)	2:1		2:1, 15:1, 20:1, 30:1,		15:1		15:1 (LT & PT models),	
	Fixed 0.95	Adjustable (4-20 mA)	Adjustable (Modbus)	Adjustable (touch screen)	Adjustable (USB)			
Supply Voltage	6-28 V DC		6-13 V DC		24 V DC +/- 5%		6-28 V DC	
High Ambient	No		Option		No		Option	
Air or Water Cooling	Option		No		Option		No	

Outputs						
4-20 mA	Option	Yes	No	Option	Yes	Yes
0-20 mA	No	No	No	No	No	Yes
Type J Thermocouple	Option	No	No	No	No	No
Type K Thermocouple	Option	No	No	No	No	No
Type T Thermocouple	Option	No	No	No	No	No
0-50 mV	Option	No	No	No	No	No
0-5 V	No	No	No	No	No	No
0-10 V	No	No	Option (PM240E)	No	No	No
RS485 Modbus	No	No	Yes	Option	No	No
USB	No	No	No	No	Yes	Yes
Alarm Relays	No	No	Option (PM240E)	Option	No	No

Features						
Sensor Body Temperature Reading	Yes (4 wire models)	No	Yes	Yes	Yes	Yes
Peak or Valley Hold Processing	No	No	Yes	Yes	Yes	Yes
Averaging	No	No	Yes	Yes	Yes	Yes
Reflected Energy Compensation	No	No	Yes	Yes	Yes	Yes
Data Logging	No	No	Yes (with user's own Modbus system)	Yes (MicroSD Card)	Yes (CalexSoft)	Yes (CalexSoft)

Typical Applications	Paper & packaging (where analogue output is required)	Food production equipment e.g. bakery trays	Paper & packaging (multiple-sensor systems)	High ambient temperatures e.g. dryers, ovens	Food including frozen food	Steel
	Food e.g. liquid surface in vats, chocolate in tanks and moulds	Thick plastics	Food	Paper & packaging (multiple-sensor systems)	Conveyors and production lines	Food: measure hot food products through glass
	Thick plastics		Thick plastics	Food	Thick plastics	Automotive – warm or hot bare steel panels
	Tyre manufacturing		Flour milling: roller temperature monitoring	Conveyors and production lines	Thermoforming	Kilns and ovens
	Electricity substation temperature monitoring		Pipe coating	Thick plastics		Reflective rollers
	Asphalt		Conveyors and production lines	Pipe coating		