

Technical Datasheet

Document-ID: TDB_SC 1012_EN V1.0

SCANNING EQUIPMENT

SC 1012

for analogue & digital **MAURER** universal pyrometers



Scanner SC 1012 (right), connected to universal pyrometer (left, greyed out)

With our scanning equipment every **MAURER** universal pyrometer can turn into a line scanner. This addition allows reliable temperature measurements even when the measuring spot cannot be reduced to a single point. The exceptional highlights of this scanner are the variable scanning speed, as well as several optional extention levels, depending on the application.

Scope of Applications

Vibrating wires, scaled forge parts, continuous chain tempering processes, cables, rubber profiles, paper rolls, parts with bad part guidance, detection of timber, etc.



Scanner SC 1012, version installed in 90° to pyrometer

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Technical Data

Scan angle	6°
Scanning speed	2 – 12 measurements / sec., adjustable by potentiometer
Supply voltage	24 V DC/AC
Current input	200 mA
Operational types	Continuous measurements: scanner operations continuously Manual: start by external signal
Output	Impulse output of turning points for external signal processing
Reset types	External: reset by external signal Automatic: reset after every turning point
Operating / Storage temperatur	0 – 60 °C / -10 °C – 70 °C
Weight / Dimensions (LxHxW)	0,6 kg / 54 x 54 x 173 mm (without attached pyrometer)
IP Code	IP65

Configurations

- Orientation of scanner same as pyrometer or 90° to pyrometer
- Maximum value memory 0/4 – 20 mA, for detection of temperature peak values

Main Equipment

Elektronical equipment	Mechanical equipment	
Connection cables	Protection window quarz	Wave length 0,4 – 3,0 µm
Electronic process units	Protection window CaF ₂	Wave length 0,4 – 11,0 µm
	Protection window ZnSe	Wave length 8,0 – 14,0 µm
	Mounting parts	