

Non-Contact Temperature Measurement

MAURER - Scanner SC 1000

With the scanner equipment SC 1000 each infrared radiation thermometer of the KTR-series turns to line-scanner. Typical applications are the monitoring of bulk goods on conveyors as well as each application where temperature profile registration is necessary.

The highlights of this new scanner are: adjustable scann angle - the right and also the left turning-point separate adjustable - variable scann speed and also several extending options referring to the application.



Technical data :

scann angle	: 5 - 60°
scann speed	: 25° - 120°/sec.
supply voltage	: 24 V AC / DC
current input	: 300 mA
dimensions H / W / D	: 68 x 70,5 x 210 mm
weight	: 1 kg
working temperature	: 0 - 60°C
type of protection	: IP 65 (with protection window)

MAURER – Infrared – radiation thermometer can also assist you to monitor your heating processes, ensuring a uniform standard of quality for your products.

leaflet Scanner SC1000

<http://www.maurer-ir.de>

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SCANNER SC 1000 - standard unit -

Functions:

Adjustable scann-angle through potentiometer
Adjustable scann-rate through potentiometer

Mode of operation:

continuous measurement : scann equipment working continuous
single measurement : start through external signal for one scann
manual : adjustment of scann-mirror for measurement at a fixed point

Options:

Angle-output: 0 (4)-20 mA: article No. 117-2001

For recording and evaluating of temperature profiles the scann-angle is available as an analog output 0 (4) - 20 mA = 0 - 60°

Maximum value memory 0(4)-20 mA: article No. 117-2002

This option is an efficient extension for controlling problems where the temperature peak values are to record. The measured temperature value is extended as an analog-signal 0 (4)-20 mA referring to the temperature range of the used infrared radiation thermometer.

2 "Reset"-functions are available:

- 1) external : reset through external contact
- 2) automatically : measuring value actualisation at each turning point.

Protection windows:

For sealing the scann equipment against dust and splash water are several changeable protection windows available. The selection results on the spectral range of the used infrared radiation thermometer.

article-number:	material:	spectral range :
117-2006	quartz glass	0,4 - 3 μm
117-2008	CaF2	0,4 - 11 μm
117-2009	ZnSe	8 - 14 μm AR

Assembly:

117-2003 connection cable scann equipment to KTR 0,5 m length
117-2005 connection cable scann equipment without connectors 2 m length
117-2004 connection cable scann equipment to AE 10XX 2 m length
116-1136 holder for KTR

- additional assembly and indication units on request -

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