

# Non-Contact Temperature Measurement

## Scanner SC 1012

With the scanner equipment SC 1012 each infrared radiation thermometer of the KTR-series turns to line-scanner. Typical applications are vibrating wires, scaled forged parts, chain treatment, cables, rubber profiles, paper rolls, detection of timber, not exact directed parts, etc.

The highlights of this new scanner are: variable scann-speed and also several extending options refering to the application.



### Technical data:

scann angle	: 6°
scann speed	: 2 - 12 measurements / sec.
supply voltage	: 24 V AC / DC
current input	: 200 mA
dimensions H / W / D	: 54 x 54 x 173 mm
weight	: 0.6 kg
working temperature	: 0 - 60°C
type of protection	: IP 65 (with protection window)

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

leaflet Scanner SC1012

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MESS- UND REGELTECHNIK

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# SCANNER SC 1012 - standard unit -

## **Functions:**

Adjustable scann-rate through potentiometer

## **Mode of operation:**

continuous measurement : scann equipment working continuous

Manual measurement : start through external signal

**outputs:** impulse output of turning points for external signal processing

## **Options:**

### **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.

<b>article-number:</b>	<b>material:</b>	<b>spectral range :</b>
117-2011	quartz glass	0,4 - 3 $\mu\text{m}$
117-2012	CaF2	0,4 - 11 $\mu\text{m}$
117-2013	ZnSe	8 - 14 $\mu\text{m}$ 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 -

