

# Non-Contact Temperature Measurement

## 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)

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

leaflet Scanner SC1000

**Dr. Georg Maurer GmbH**  
-Optoelektronik-

**GRUBATEC**



MESS- UND REGELTECHNIK

Grubatec AG  
Wölferstrasse 5  
4414 Füllinsdorf  
Telefon: +41 (0)55 617 00 80  
Telefax: +41 (0)55 617 00 81  
[www.grubatec.ch](http://www.grubatec.ch)  
[sales@grubatec.ch](mailto:sales@grubatec.ch)

# 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.

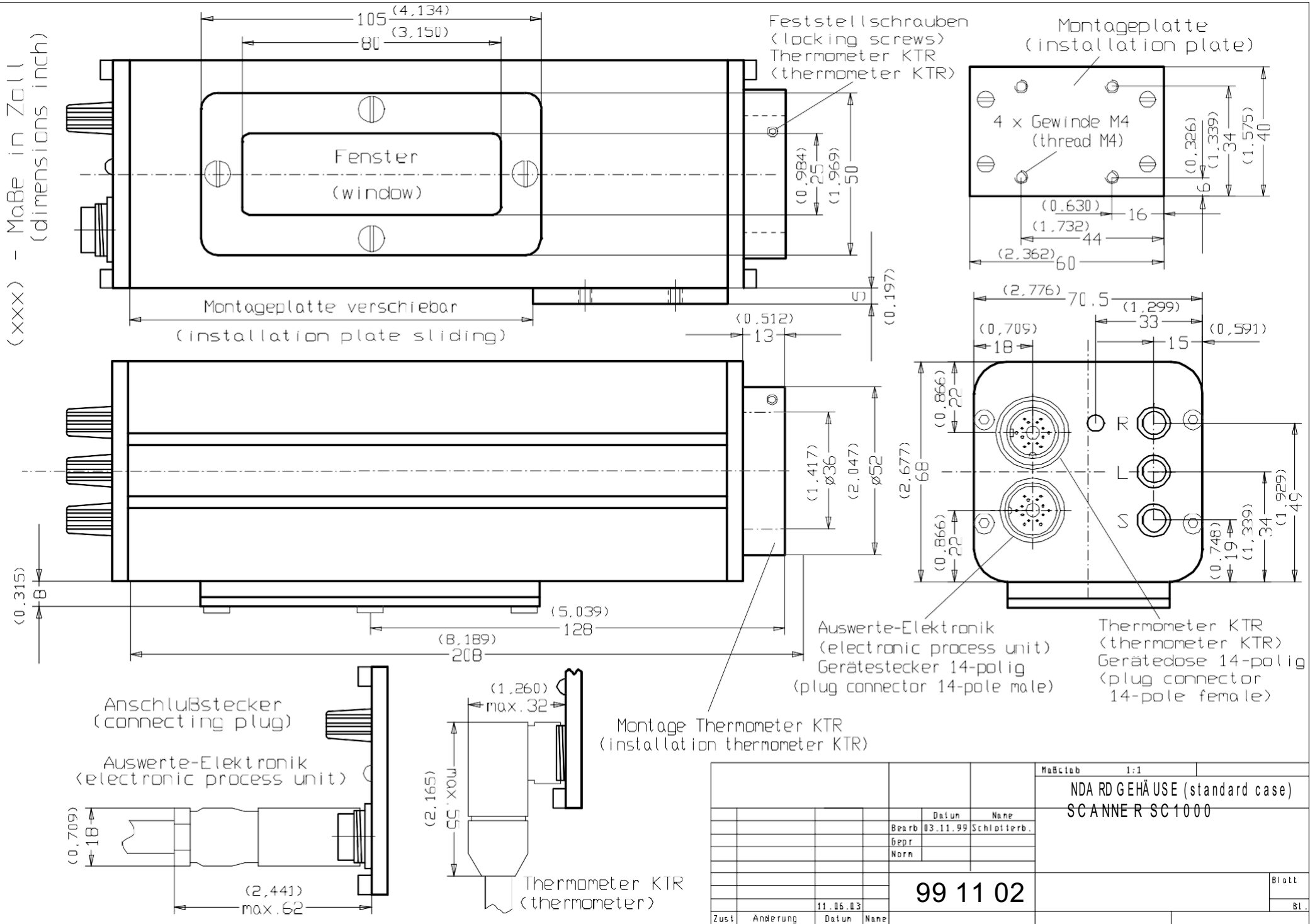
article-number:	material:	spectral range :
117-2006	quartz glass	0,4 - 3 $\mu\text{m}$
117-2008	CaF2	0,4 - 11 $\mu\text{m}$
117-2009	ZnSe	8 - 14 $\mu\text{m}$ AR

### 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 -

(XXX) - Maße in Zoll  
(dimensions inch)



				Maßstab 1:1	
				NDA RD GEHÄUSE (standard case)	
				SCANNER SC1000	
		Datum	Name		
		Bearb	03.11.99	Schlottner	
		Begr			
		Norm			
				Blatt	
				Bl.	
Zust	Änderung	Datum	Name	99 11 02	
		11.06.03			