

## Rotation-/ Scanning Attachments and Built-in Scanner

## Scanner

## Temperature Linescan Systems



### Rotary Mirror Attachment: ROT 5; ROT 10

#### In combination with the pyrometers IS 5, IGA 5, IS12, IGA 12

The **ROT rotary mirror attachment** in combination with an **IS 5, IGA 5, IS 12 or IGA 12 pyrometer** (measuring ranges: between 250 and 3500°C) and with the pyrometer's maximum value storage (peak picker) is mainly used for the **fast scanning** of targets to record maximum temperatures. The scanning frequency is permanently set to **12.5 Hz**.

The signal is analysed via the pyrometer's analog output (0/4 ... 20 mA) and/or the serial interface (RS232 or RS485).

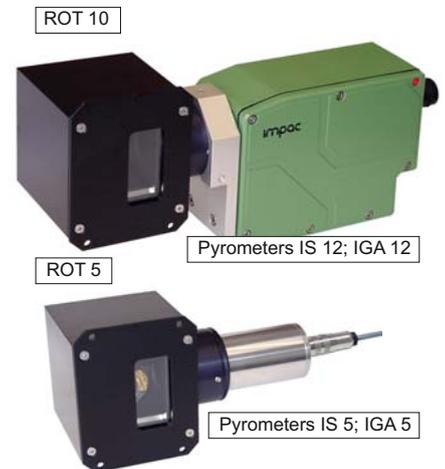
Depending on the pyrometer type the ro-

tary mirror attachments have a scanning angle of 60° up to 76°. For instance at a measuring distance of one meter and an angle of 60° the scanning length is 1.15 m (or 1.56 m for an angle of 76°)

#### Typical applications:

The rotary mirror attachment is most frequently used to record the maximum temperature of larger objects such as slabs, plates and metal strips.

The attachment is powered by 24 V AC, 50 Hz.



### SCA 140, SCA 5, SCA 300: Scanning Attachments

#### In combination with all pyrometers of the series 140, 5 and 300

The **SCA scanning attachment** can be used in combination with **all series 140, 5 and 300 pyrometers** (measuring ranges - 32 to 3300°C). The **scanning frequency** is adjustable from **1 to 10 Hz**, the **scanning angle** from **0 to 12°**. For instance at a measuring distance of 300 mm the device has a scanning length of 0 to a maximum of 63 mm. The signal is analysed via the pyrometer's analog output (0/4 - 20 mA) or its serial interface (RS232 or

RS485).

#### Typical applications:

This scanning system is mainly used for recording the maximum temperature of smaller targets such as **thin oscillating wires** which are not constantly in the pyrometer's beam, or for finding scale-free spots on **heavily scaled surfaces**.

The scanning attachment can be powered by 24 V AC or DC.



### Pyrometers IS 12; IGA 12 with Built-in Scanner

The **IS 12 and IGA 12 pyrometers** with **fixed optical systems** are available with a **scanning mechanism** built in the pyrometer housing. The **scanning frequency** is adjustable from **4 to 10 Hz**; the **scanning angle** from **0 to 4°**. The scanning length is determined by the measuring distance, the smallest possible measuring point depends on the fixed optics chosen. For instance, with the 250 mm optics, the scanning length at a measur-

ing distance of 250 mm is 17 mm; with the 660 mm optics, the scanning length at a measuring distance of 660 mm is 46 mm.

#### Typical applications:

see model SCA.

In series 12 pyrometers, the temperature can be read on the pyrometer's **built-in display**, and the instrument parameters can be set using the keyboard.

