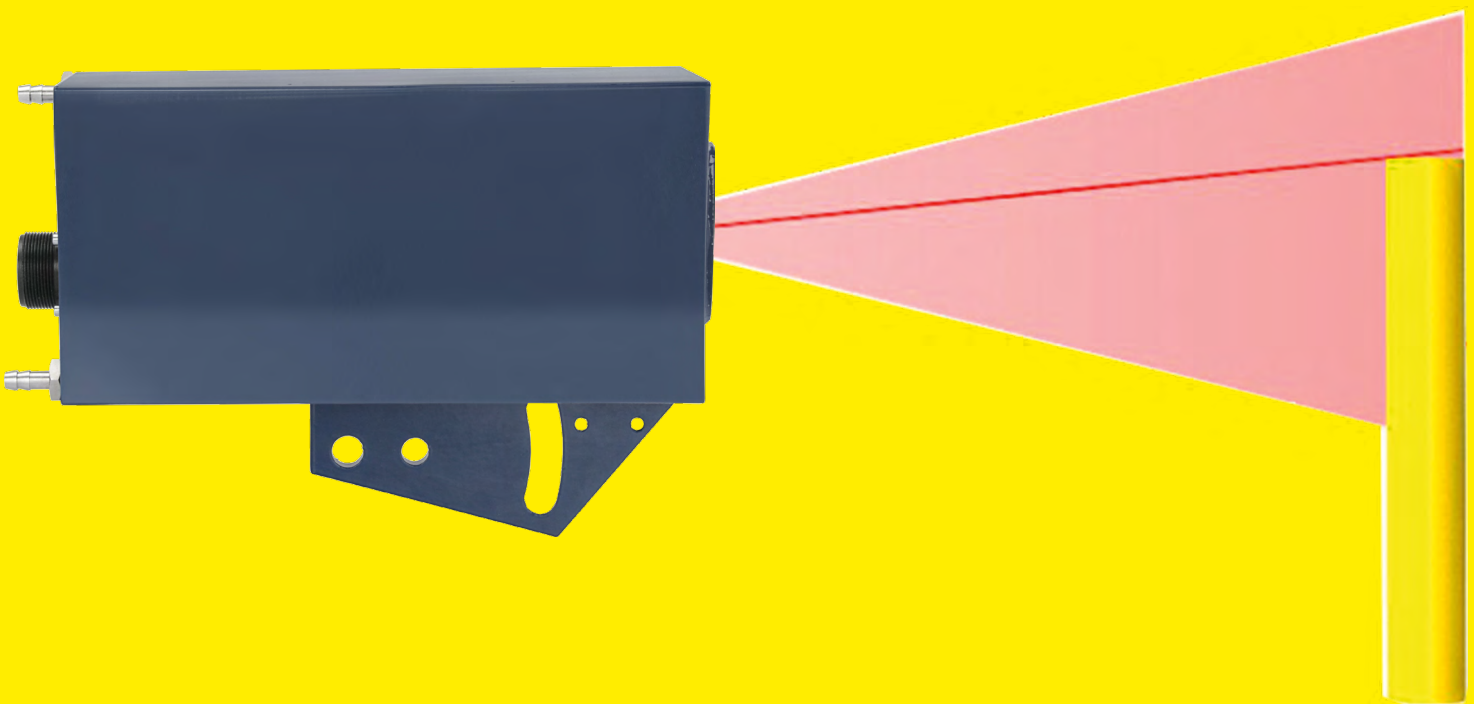


Infrared Scanner

Monitoring down the line

Scanning, detecting, positioning

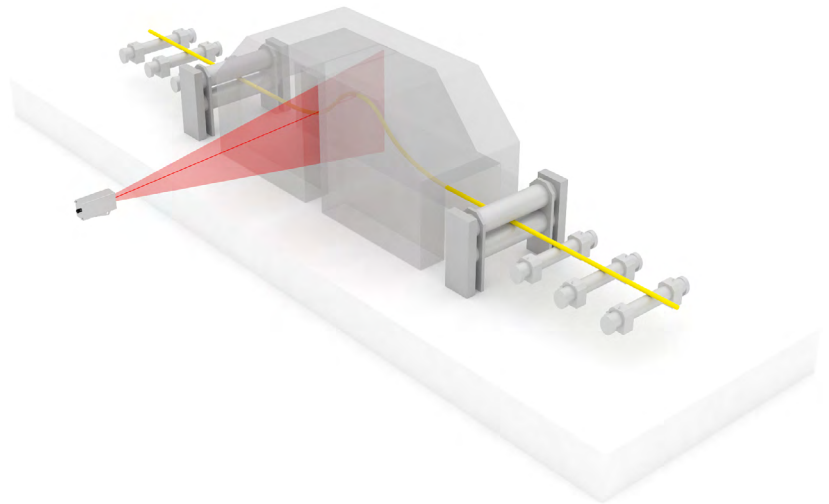


Infrared Loop Scanner

Robust detection and position monitoring

The new Proxitron infrared loop scanner detects hot material and measures its position with high precision. The integrated, maintenance-free CCD line detects hot material even under the toughest conditions. No matter whether it is a large slab or a thin wire. The loop scanner scans a narrow measuring area contactless and detects the exact position of wire, sections or rods even through dust and steam. With the analog output it is possible to adjust speed downstream as for example in the case of loop control, centre the hot material or determine the position of hot material of any kind. Furthermore a switching signal provides information on the presence of hot material in the scan area.

- Position monitoring
- Loop monitoring
- Slab edge detection
- Centering
- Response temperature from 600 °C
- Scanning angle 43°
- Robust housing with water cooling
- Ambient temperature up to 85 °C with cooling
- Reaction time 3 ms
- Switching output (NPN / PNP)
- Analog output 0 - 10 V or 4 - 20 mA
- Maintenance-free
- Plug MIL 19
- HM 10 mounting bracket available as accessory



Scanning angle	43°
Analog output 0 - 10 V Type	VSB 4306.19
Analog output 4 - 20 mA Type	VSB 4306.194
Response temperature	600 °C
Standard functions	Position detection of hot material in the scan area
Additional functions	object detection
Switching output	NPN / PNP normally open
Housing [mm]	275 x 207 x 100
Housing material	steel
Ambient temperature	50 °C (85 °C with water cooling)

Scanning area	Measurement distance a [m]	1	2	3	4	5
	Scanning area size M [mm]	800	1600	2400	3200	4000