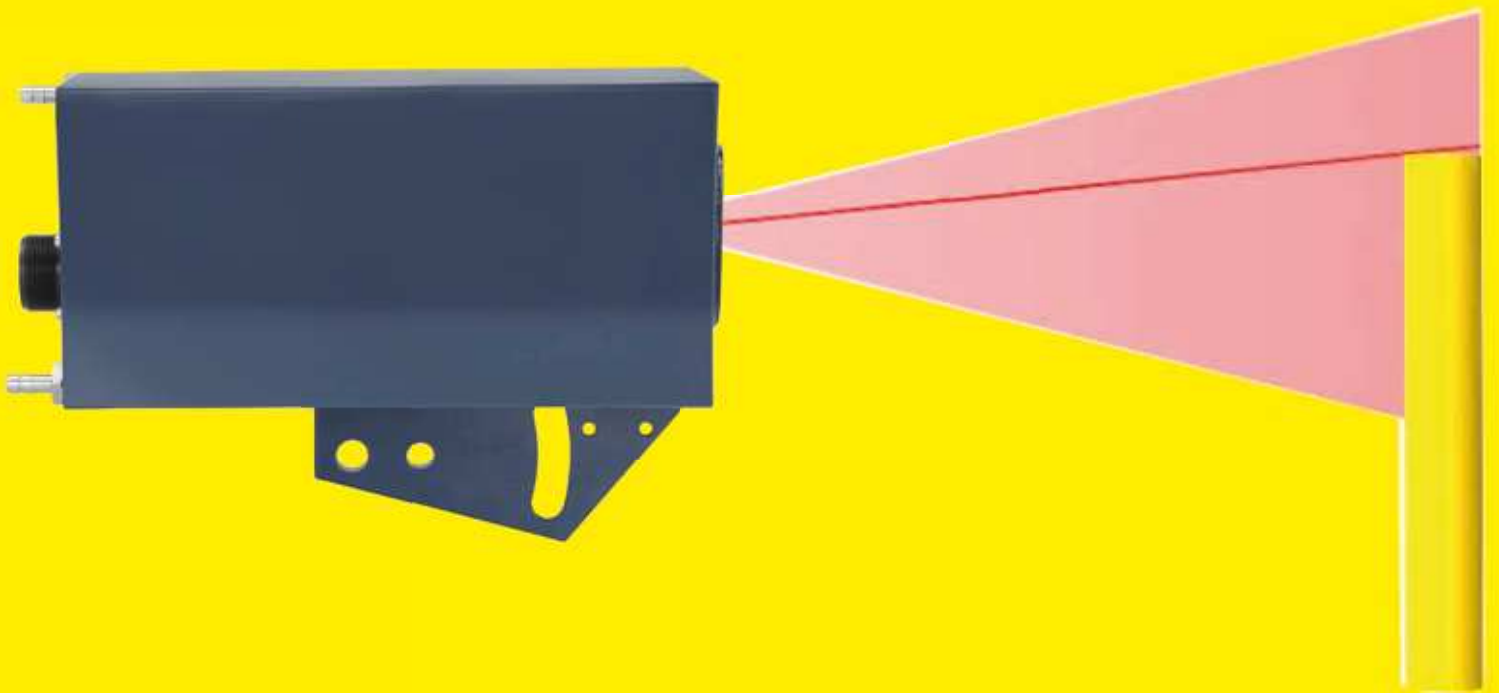# Monitoring down the line

Scanning, detecting, positioning

Infrared Loop Scanner

Detection and position monitoring with high sensitivity

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.

Type: VSB

Features at a glance

· robust housing with water cooling

· scanning angle 43°

· ambient temperature up to 85 °C with cooling
 up to 50 °C without cooling

· object temperature from 600 °C

· reaction time 3 ms

· 1x switching output (NPN / PNP)

· 1x analog output 0 - 10 V DC

· maintenance-free

· plug MIL 19

Accessories

· HM 10 mounting bracket

· connection cable

Areas of application

· position monitoring

· loop monitoring

· slab edge detection

· centering