sensing systems transmitter-receiver systems fork systems

with external programming possibility

ipf electronic gmbh · Kalver Straße 25 - 27 · 58515 Lüdenscheid · Germany fon +49 (0) 2351/9365-0 · fax +49 (0) 2351/936519 www.ipf-electronic.com · e-mail: info@ipf-electronic.com

olectrouic



Line sensors are used everywhere where accurate positioning is required as well as where the dimensions of an object have to be established with a great degree of accuracy (e.g. the diameter of a wire). In light barriers, the user can select between various working widths with a resolution of up to 1024 pixels (max.). At the same time, an analog output (voltage output and current output) provides information about the position and/or size of the object. Furthermore there is a digital signal available which provides information about the quality and/or the position of the object. The triangulation diffuse reflection sensors also have a line detector which enables an exact distance measurement, even with difficult surfaces such as shiny metal.

industrial sectors

- ✓ automobile industry
- ✓ plastics industry
- ✓ metal processing industry
- ✓ wood industry
- ✓ paper and film industry
- ✓ steel mills
- ✓ furniture industry
- ✓ wire industry

applications

- web edge guiders
- width measurement
- diameter recording
- quality control
- contour control
- positioning
- height measurement
- position control wire thickness measurement



laser line sensors

- ✓ line laser 1mW, laser class 2
- ✓ working distance up to 2000mm
- ✓ integrated interference filter
- ✓ RS232 interface and Windows[®] user interface
- 2 digital inputs, 2 digital outputs
- ✓ analog output 0 ... +10V DC
- ✓ status display via 4 bicolor LEDs (2x red/green, 2x yellow/green)
- robust, industrial-grade aluminium housing
- lens cover made from scratch resistant glass
- ✓ operating voltage 24V DC ± 10%
- ✓ current consumption typ. 200mA





CE

The line sensors can be easily parameterized with the aid of the Windows® user interface. For this, the sensor is connected with the PC via the serial interface cable VK207U44. After parameterization has taken place, the PC can be disconnected again (press the STOP button). The sensor system then works in the stand alone mode.



sensing systems

reflex line sensorsn

- ✓ various optical filters are available (w=white light filter, r=red light filter, b=blue light filter or uv=black glass filter)
- ✓ ring illumination with 9 LEDs
- ✓ CCD line detector, 512 pixels (1024 sub pixels)
- ✓ external TEACH/RESET button
- ✓ RS232 interface and Windows[®] user interface
- 2 analog outputs
- ✓ (voltage 0...+10V DC and current 4...20mA)
- ✓ switch status display via 5 LEDs (1x green, 2x red, 2x yellow)
- lens cover made from scratch resistant glass
- establishing the position and/or width of the object to be measured in the reflex mode
- ✓ operating voltage 24V DC ± 10%
- current consumption typ. 220mA



laser line sensors

- ✓ line laser 1 mW, laser class 2
- ✓ integrated interference filter
 - ✓ RS232 interface and Windows[®] user interface
 - ✓ 2 digital inputs, 2 digital outputs
 - ✓ 1 analog voltage output 0 ... +10V DC
 - status display via 4 bicolor LEDs (2x red/green, 2x yellow/green)
 - compact aluminium housing
- ✓ operating voltage 24V DC ± 10%
- ✓ current consumption typ. 220mA

ipf electronic gmbh Kalver Straße 25 – 27 58515 Lüdenscheid – Germany

Fax +49 (0) 2351 / 936519

Fon +49 (0) 2351 / 9365-0 www.ipf-electronic.com E-Mail: info@ipf-electronic.com











CE

58515 Lüdenscheid – Germany

Fax +49 (0) 2351 / 936519

E-Mail: info@ipf-electronic.com

Version: March 2012









Subject to alteration!

Version: March 2012