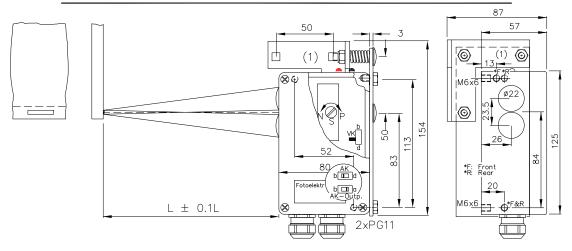


Fotoelektrik Pauly GmbH & Co. KG, Wahrbrink 6, D-59368 Werne, Telefon 02389/40227-70, Telefax 02389/40227-77, www.fotoelektrik-pauly.de

Detector of Printed Marks Type TRI 140210/L[mm]



Brief instructions for operating the sensor:

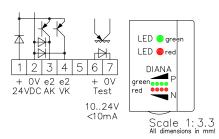
- 1. Mount the unit in relation to the mark as shown in the drawing.
- Let the optical system view the dark background.
 Set the regulating screw S in such a way that one or two LED's on DIANA N light up.
- 4. Move the lighter background in front of the optical element and make sure that at least two or more DIANA P LED's light up. If this is not possible in rare cases (very low contrast), the contrast cannot be recognised.

General notes:

Housing

Alterations of distance as well as contamination on the optical elements will affect the system settings.* Contamination on the optically sensitive areas may cause the system to malfunction if weak contrasts have been set.* If the red and green LED's light up simultaneously, then the usable signal only has a two— to threefold reserve, this contamination warning signal can be evaluated at the "VK" control output. Applying voltage to the "test" input switches the transmitter off.' The AK transistor can be bridged to terminal 3 with the "AK—Output" switch. The "AK" switch alters the switching mode from bright to dark triggering.

Al-Cast



DIANA: Digital analogue display Poti V: Receiver amplification AK-Outp.: b: bridged, a: activ AK.

b: bright—, d: darkswitching Reference screw

 $L \pm 0.1L$ (100<L<700mm)

Detector of Printed Marks

TRI140210/L

Order no.:

4692

Technical characteristics:

Weiaht approx. 650g Protection mode **IP65** Terminal strip/ PG11 Connection 24VDC/60mA without load Supply Operation mode Internal reference Reference adjustment Reference screw's light channel Transmitter light GaAs 880nm, invisible Steady light resistance >80kLx Interference suppress. forced synchronization Access time <12ms/switch transition 40/s Switching rate Switch indicator LED green(AK)/red(VK) 全年 全年 全年 全年 上evel indicator DIANA P & DÍANA N 200 4 4 Ampient temperatur -25...+60°C

Access time

Access time

Access time

Access time

Access time

Topological acceptance of the control of the c "q": <2mis/ "q": 300/s 650nr ": <2ms/switch transition GaAs 650nm, visible, rl <u>w</u>lf using cooling water flange, then milled wall, y

Applications:

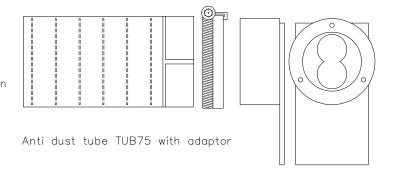
Paper tear monitoring Recognition of printed marks

Accessories:

Adjustment flange JF26H (1) Heavy adjustment flange R26SH Elbow tube adjustment AD26SS1 or ..SS2 Type keys: Cooling water flange KW26 Diaphragms Optical filters Anti dust tube TUB75 with adaptor Integrated protection system KJT.. or KRT26*

> * Including: cooling by water, adjustment, anti dust tube (optional: diaphragms, optical filters)

- T: Diffuse-Reflective sensor
- Reference mode
- Internal Ref. 14: Housing R26
- 0: Optical el. lens ø22mm
- 2: Number of optics
- Type of Transm. & Rec.
- 0: no add. control unit



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