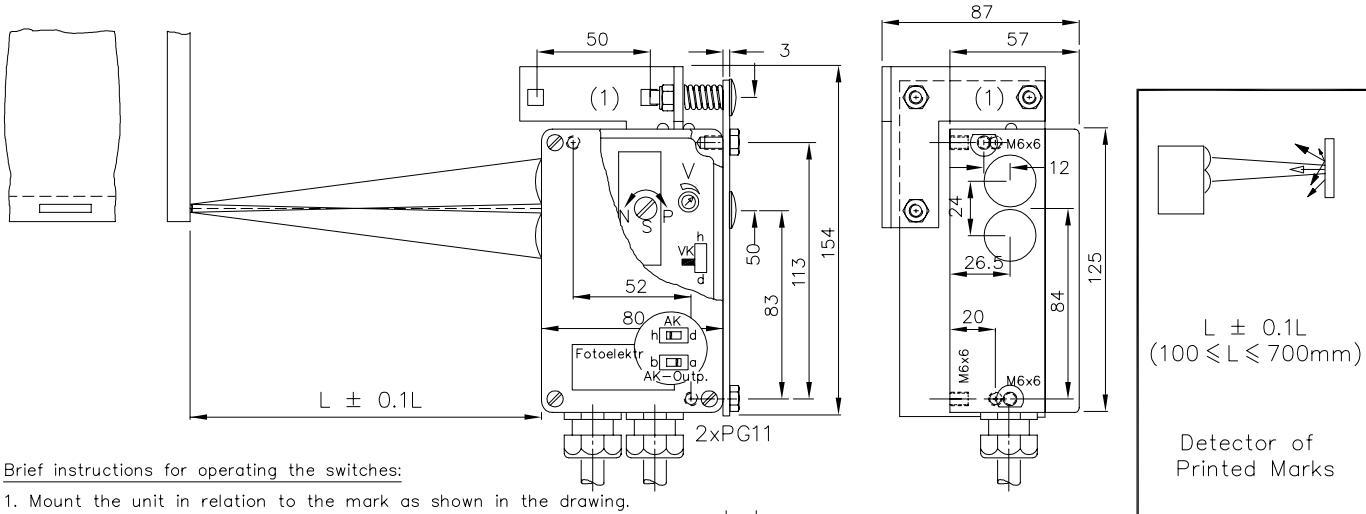


## Detector of Printed Marks Type TRI 140210/L[mm]



### Brief instructions for operating the switches:

1. Mount the unit in relation to the mark as shown in the drawing.
2. Let the optical system view the dark background.
3. 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 LED's on the DIANA P light up. If this is not possible in rare cases (very low contrast), amplification can be moderately increased with the "V" potentiometer. Set again then. If the setting is not possible as required, even with maximum amplification, the contrasts cannot be distinguished.

### General notes:

Alterations of distance as well as contamination of the optical elements will result in system setting changes. 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" output. Applying voltage to the "test" input switches the transmitter off. The "AK" transistor at terminal 3 can be jumpereed to the "AK-Ausg." switch. The "xK" switch alters the switching mode from bright to dark triggering.

### Technical characteristics:

Housing	Al-Cast
Weight	approx. 650g
Protection mode	IP65
Connection	Terminal block/ PG11
Supply	24VDC ±10%/60mA
Operation mode	Internal reference
Reference adjustment	S screw's light channel
Transmitter light	GaAs 880nm, invisible
Steady light resistance	>80kLx
Interference suppress.	forced synchronization
Access time	switching rate
Switching rate	40/s
Switch indicator	LED green(AK)/red(VK)
Level indicator	DIANA P & DIANA N
Ambient temperatur	-25...+60°C

### Features:

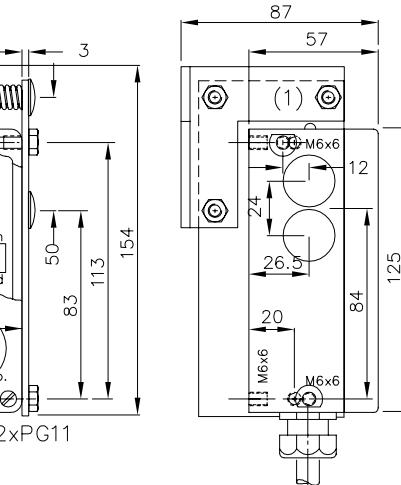
Access time	"q": <2ms/switch transition
Switching rate	"q": 300/s
Transmitter light	GaAs 650nm, visible, rI

If using cooling water flange, then milled wall, y

### Applications:

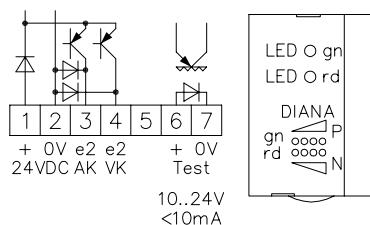
Paper tear monitoring  
Recognition of printed marks

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Detector of Printed Marks

TRI 140210/L



Scale 1: 3.3

DIANA: Digital analogue display  
Poti V: Receiver amplification  
AK-Outp.: b: bridged, a: activ  
AK: h: bright-, d: darkswitching  
S: Reference screw

Order no.:

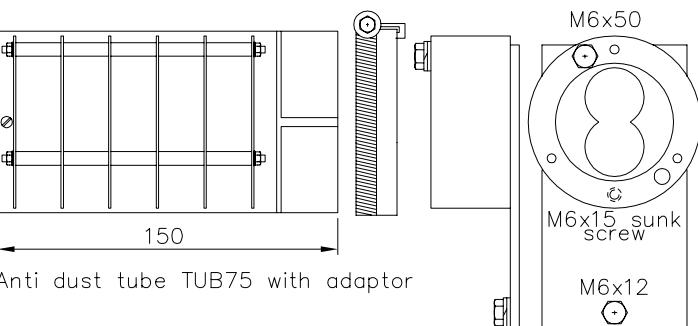
4692

### Accessories (optional):

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

### Type keys:

T: Reflex scanner  
R: Reference mode  
I: Internal Ref.  
14: Housing R26  
0: Optic Ø22.8/42  
2: Number of optics  
1: Type of Transm. & Rec.  
0: no add. control unit



Anti dust tube TUB75 with adaptor

Scale 1: 3.3