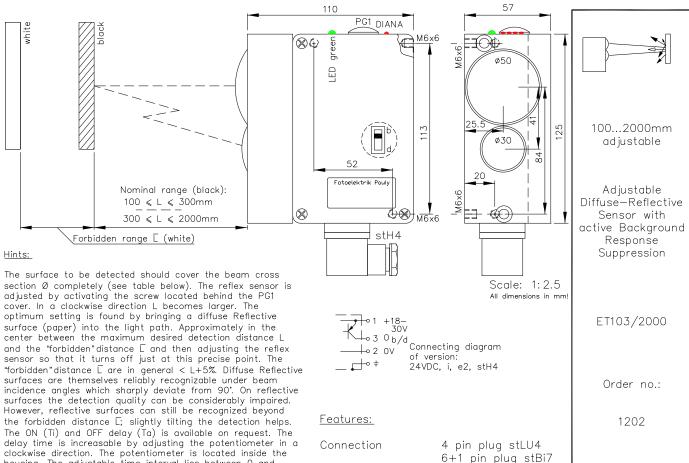
PAULY



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Adjustable Diffuse-Reflective Sensor

with active Background Response Suppression, Type ET103/2000



The ON (Ti) and OFF delay (Ta) is available on request. The delay time is increasable by adjusting the potentiometer in a clockwise direction. The potentiometer is located inside the nousing. The adjustable time interval lies between 0 and approximately 3 seconds. Other time intervals are available on request: 1 second, 10 second and 20 second.

DIANA (Digital ANaloge Anzeige —digital analog indicator) indicates approximately 20—fold levels above the response threshold. It is not necessary that all DIANA LEDs light up in order for a proper function of the reflex sensor! Beyond the switching range (green off), the DIANA may show the level under the switching threshold.

Technical characteristics:

	rechnical characteristics	<u>S:</u>
(29.11.04 1 (09.12.04 tb) (26.01.09 ds) (08.05.14	Housing Weight Protection mode Connection Supply Output Signal mode	Al—Cast approx. 1000g IP65 3+1 pin Plug stH4 24VDC/40mA without load pnp 60mA s.c.—prot., e2 bright—/darkswitching selectable GaAs 880nm, invisible >80kLx Force synchronization <12ms/switch transition 40/s LED green 4x LED red (DIANA, i) —30+65°C

Access time Switching rate Time delay Access time "q": <2ms/switch transition "q": 300/s 0-3s, switching-on-off-delay, separately adjustable, z3

6+1 pin plug stH7

4+1 wire no.-cable K4

npn 60mA s.c.-prot., e3

Optocoupler 60V/50mA, e1

Heat protected transductor system, pl If using cooling water flange, then milled wall, y

Accessories:

Output

Diaphragms
Optical filters
Furnace window 02004/100
Cooling water flange KW26
Heavy adjustment flange R26SH
Elbow tube adjustment AD26SS1 or
AD26SS2

L/mm	□/mm	ø/mm
100-300	305	15
100-500	508	20
150-800	810	30
200-1000	1015	35
250-1500	1530	50
300-2000	2080	60
(350-3000)	(3400)	(75)

L: Working range on black L: "forbidden" distance on white

ø: Light beam dia. (only approximate values)