

Radiation Probe Type STS

Features:

- Compact, rugged probe for beta and gamma radiation
- Aluminium housing, fixing details
- Operating voltage +24 V DC
- LED-status-display

Fields of application:

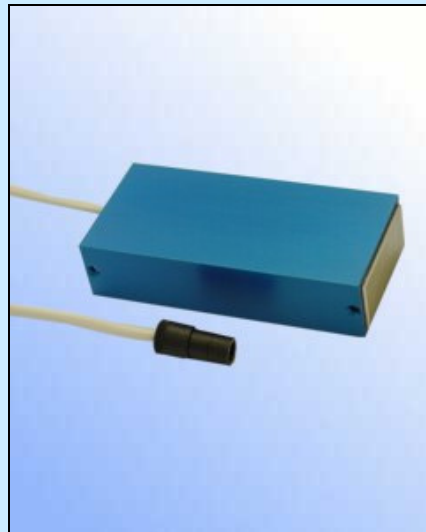
- Detection of radiation sources (e.g. during handling processes) – Possible to integrate in automatical processes
- Localisation of radiation sources, even at inaccessible places
- Measurement of activity (e.g. by using a counter)

Standard version:

Output active if pre-selected dose rate threshold is exceeded

Alternativ:

- Output-current: 4 - 20 mA
- Pulse output



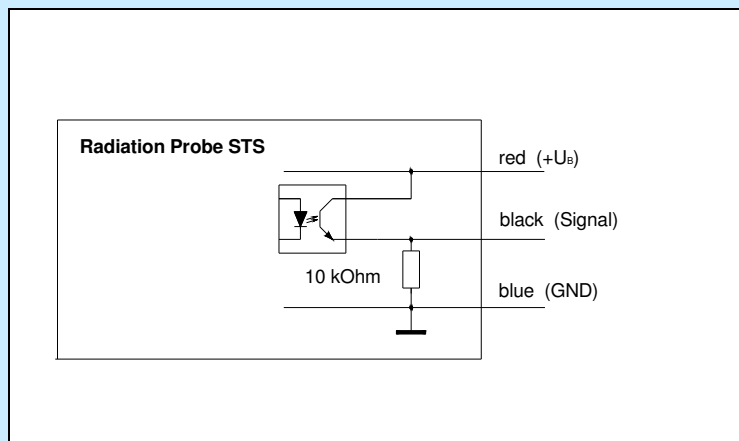
Address: STEP Sensortechnik und
Elektronik Pockau GmbH
Siedlungsstrasse 5-7
D-09509 Pockau

Phone: (0)37367 / 9791 and 9792
Fax: (0)37367 / 77730
E-Mail: info@step-sensor.de
URL: www.step-sensor.de

Technical Specifications: Radiation Probe Type STS

Dimensions (L x W x H)	40 mm x 20 mm x 87 mm
LED-status-display	1x at the connector-side 1x adjustable
Housing	aluminium, wall thickness: 3 mm, fixing details
Operating voltage U_B	+ 24 V DC
No-load current	< 10 mA (at normal background radiation)
Max. power consumption	< 50 mA
Detector	Geiger-Mueller tube, type 70028

Electrical circuit of STS-01 (standard-version):



Note:

There is no short circuit protection of the output.
No pole-protection for the operating voltage.
Otherwise the detector's output can be damaged.

Alternative output-circuits:

Output current	4 - 20 mA output current in proportion to dose rate
Pulse output	pulse density in proportion to dose rate 0-Signal : < 5 V 1-Signal : > 11 V ... U_B output current: 0.5 mA (No-load current at 0-signal) 9.0 mA (1-Signal)

Standard version with max.800 mA output current

Specifications subject to change without notice!

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