
Accessories

Currently available accessories:

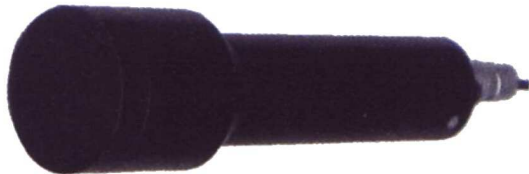
❑ Additional probes:

➤ Dose rate probes

- γ -low dose rate probe
NaI25D38 1"x 1.5"



- γ -low dose rate probe
NaI38D50 1.5"x 2"



- γ -low dose rate probe
18 550 DE / CE



- γ -dose rate probe
18 509 DE / CE



- γ -high dose rate probe
18 529 DE / CE



➤ Geiger-Müller contamination / smear test probes

- universal probe
18504 D



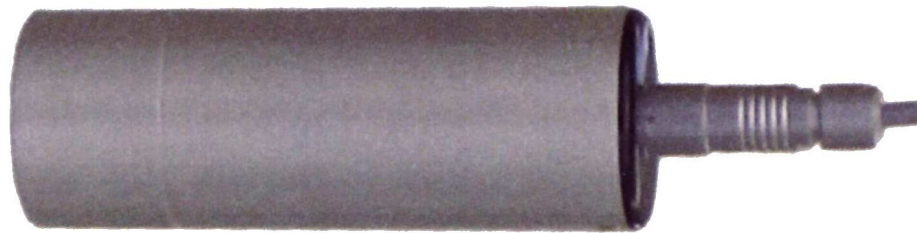
- low dose probe
18526 D



- smear test probe
18536 D



γ - Dose rate probe 18 509 DE



Type of radiation: for gamma and x-ray measurement (DC-installations)

Calibration: using gamma radiation, Cs 137

Measuring size: photon-equivalent dose rate

* Nominal working range

of the photon energy: 48 keV-1.3 MeV, max. measuring error = 30 %

Optimum direction: radial radiation onto the probe body.

Detector: ZP 1310

Detector dimensions: internal diameter: 4.8 mm

effective length: 16 mm

housing thickness: 80-100 mg/cm²

size: 26 x 6.2 mm Ø

Position of detector in device: The detector is positioned axially in the centre of the probe.

Position of reference point: The reference point is identified by a ring-like marking on the probe housing.

*Nominal working range
of the temperature:

operation: - 30 °C till + 60 °C

storage: - 40 °C till + 70 °C

γ - Dose rate probe 18 529 DE



Type of radiation: for gamma and x-ray measurement (DC-installations)

Calibration: using gamma radiation, Cs 137

Measuring size: photon-equivalent dose rate

* Nominal working range

of the photon energy: 80 keV-2.0 MeV, max. measuring error = 30 %

Optimum direction: radial radiation onto the probe body.

Detector dimensions: internal diameter: 4.8 mm

effective length: 8 mm

housing thickness: 80-100 mg/cm²

size: 16 x 6.2 mm Ø

Position of detector in device: The detector is positioned axially in the centre of the probe.

Position of reference point: The reference point is identified by a ring-like marking on the probe housing.

*Nominal working range

of the temperature:

operation: - 30 °C till + 60 °C

storage: - 40 °C till + 70 °C

γ - Low dose probe 18 550 DE



Type of radiation: for gamma and x-ray measurement (DC-installations)

Calibration: using gamma radiation, Cs 137

Measuring size: photon-equivalent dose rate

* Nominal working range

of the photon energy: 48 keV-1.3 MeV, max. measuring error = 30 %

Optimum direction: radial radiation onto the probe body.

Detector: ZP 1200

Detector dimensions: internal diameter: 15 mm

effective length: 40 mm

housing thickness: 250 mg/cm²

size: 54 x 17 mm Ø

Position of detector in device: The detector is positioned axially in the centre of the probe.

Position of reference point: The reference point is identified by a ring-like marking on the probe housing.

* Nominal working range

of atmospheric humidity: 0 - 95 %, no influence, the device is dust- and waterproof according to DIN 40050 (IP 67)

* Nominal working range

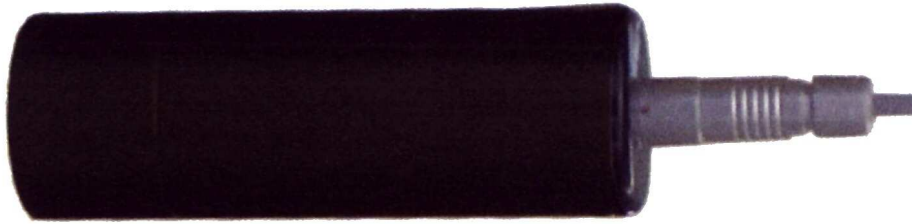
for outside air pressure: 100-1300 hPa, influence negligible.

* Nominal working range:

operation: - 30 °C till + 60 °C

storage: - 40 °C till + 70 °C

Universal probe 18504 D



Detector: ZP 1401, window counter tube
window : mica
thickness : 1.5 - 2 mg/cm²
effective diameter : 9 mm
effective surface : 0.635 cm²
shielding by protection grid: 20 %

Background : approx. 10 cpm

Counts in case of radial
incident radiation (Cs 137) approx. 2 cps / μ Sv/h

Axial incident radiation: with cap: only γ -radiation
without cap: α -, β - and γ -radiation

Temperature range: operation: - 30 °C till + 60 °C
storage: - 40 °C till + 70 °C

Nominal working range
for outside air pressure: 500-1300 hPa, influence cannot be determined in practical use. Transport in planes up to 3000 m high: Changes in air pressure have to be performed slowly.

Housing: aluminium housing, black anodised

Dimensions: 40 mm \varnothing x 126 mm

Weight: approx. 130 g

Low dose probe 18526 D



Detector: ZP 1431, window counter tube
window: mica
thickness: 2 - 3 mg/cm²
effective diameter: 27.8 mm
effective surface: 6.1 cm²
shielding by protection grid: 20 %

Background: approx. 9 cpm

Counts in case of radial
incident radiation (Cs 137) approx. 4 cps / μ Sv/h

Axial incident radiation: with cap: only γ -radiation
without cap: α -, β - and γ -radiation

Temperature range: operation: - 30 °C till + 60 °C
storage: - 40 °C till + 70 °C

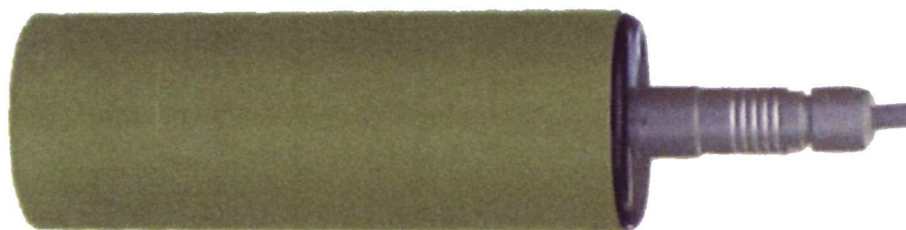
Nominal working range
for outside air pressure: 500-1300 hPa, influence cannot be determined in practical use. Transport in planes up to 3000 m high: Changes in air pressure have to be performed slowly.

Housing: aluminium housing, red anodised

Dimensions: 40 mm \varnothing x 126 mm

Weight: approx. 160 g

Smear test probe 18536 D



Detector: ZP 1441, window counter tube
window: mica
thickness: 1.5 - 2 mg/cm²
effective diameter: 27.8 mm
effective surface: 6.1 cm²
shielding by protection grid: 20 %

Background : approx. 5 cpm

Counts in case of radial
incident radiation (Cs 137) approx. 2 cps / μ Sv/h

Axial incident radiation: with cap: only γ -radiation
without cap: α -, β - and γ -radiation

Temperature range: operation: - 30 °C till + 60 °C
storage: - 40 °C till + 70 °C

Nominal working range
for outside air pressure: 500-1300 hPa, influence cannot be determined in practical use. Transport in planes up to 3000 m height: Changes in air pressure have to be performed slowly.

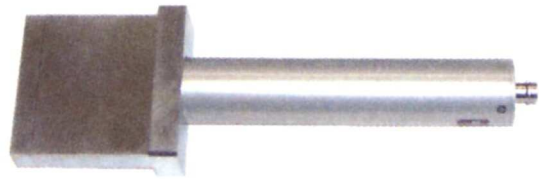
Housing: aluminium housing, gold anodised

Dimensions: 40 mm \varnothing x 126 mm

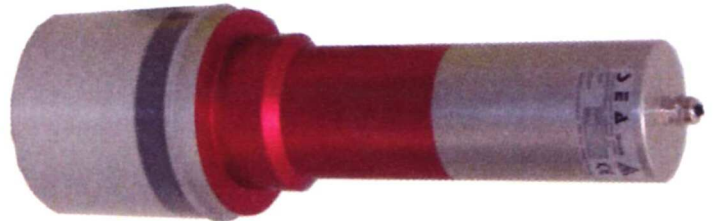
Weight: approx. 140 g

➤ Special count probes

- 3" x 3" x 0.5" NaI planar probe



- 4" x 4" plastic scintillator



- 25mm Ø
α, β/γ end window probe



- 50mm Ø
α, β/γ end window probe



- 43mm Ø x 150 mm, α, β/γ pipe detector



- 32mm Ø x 200 mm, α, β/γ pipe detector



- 170 cm², α, β/γ flat probe

