

RTI Scatter Probe

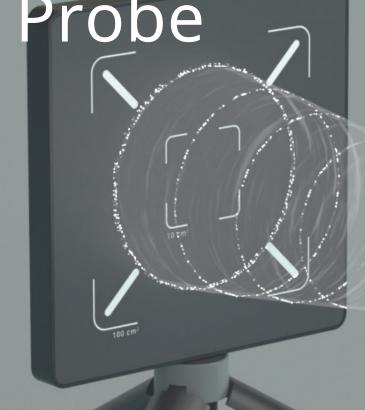
# A scatter and leakage detector in one!

The revolution within scatter & leakage detection is here.

A rugged, flat, solid-state detector for scatter and leakage detection in X-ray environments.

Its unique design - two separate detector areas of 10 cm² and 100 cm² - fulfills current regulations and standards for X-ray leakage and scatter measurements.

Connects to the new Ocean Next™ software via a USB.





#### RTI Group Headquarters

Flöjelbergsgatan 8 C SE-431 37 Mölndal SWEDEN Phone: + 46 (0) 31 746 36 00 E-mail: sales@rtigroup.com

#### RTI Group North America

33 Jacksonville Road, Bldg. 1 Towaco, NJ 07082

USA

Phone: +1 800-222-7537

E-mail: sales.us@rtigroup.con



### Dual detection areas

For barrier, scatter, and leakage measurements various industry standards apply.

- 21 CFR 1020.32
- 21 CFR 1020.30
- IEC 60601-2-54
- IEC 60601-1-3

Common for all these standards is that the measurement must be made covering an area of 10 cm<sup>2</sup> or 100 cm<sup>2</sup> at a certain distance. The detector areas of the RTI Scatter Probe ensure full compliance with these standards.

It does not matter if your scatter and leakage application require measurements at a short distance, long distance, in a fixed position, or sweep, with a click you can select the 10 cm<sup>2</sup> or 100 cm<sup>2</sup> area for your measurement.

## Easy positioning

Stand on a table, use by hand, or mount on the included tripod, the RTI Scatter Probe is quick and easy to position.

The anti-slip surface also allows safe positioning facing upwards without sliding.

With the standard camera tripod thread, the probe can be mounted to any tripod or jig!

## Specifications

Connector type:

Weight: Rated range of use:

Extendable with optional USB active extension cable 5 V via USB 139 x 139 x 17 mm 370 g (430 g incl. handle)

10 - 150 keV 80 - 110 kPa +10 - +40 °c

10 - 80% rel. humidity

#### Measurements

Trig Mode: Trig Level: Air Kerma Rate:

H\*(10):

Auto or Manual  $5 \mu Gy/h (0.6 mR/h)$  or  $10 \mu Sv/h$ 0 - 100 mGy/h (0 - 10 R/h) mR/h (ISO N20-N150) 0 - 200 mSv/h (ISO N20-N150)

Mean Energy: 10 - 150 keV (min rate: 25 µGy/h) ±10% or 5 keV

Half Value Layer (HVL): 0.1 - 17 mm Al (min rate: 25 µGy/h) ±10% or 0.05 mm Al

0 - 9999 s 1 - 300 Hz

Specifications above valid for the 100 cm<sup>2</sup> detector area.

Dual detection areas.

IEC ]