

TEST SET TS421

The Test Set TS421 consists of a gamma-emitting reference source and a fixed-geometry source holder. The source and holder are used to perform the Automatic Accuracy Test of the low dose (LD) and the high dose (HD) detectors used in the Intelligent Gamma Probe model nos. IGS421, IGS411 and AGSx21. A test set is also available for other Intelligent Gamma Probes (e.g. IGS510). The Automatic Accuracy Test meets all requirements for the periodic calibration of the detection system.

The gamma reference source, TS421-1, utilizes a fixed ring geometry. The radioactive material is deposited homogeneously on the inner surface of the ring and is protected by a 1.5 mm (0.06 in.) thick aluminum coating. It is suitable for outdoor use (see Technical Data below).

During the Automatic Accuracy Test, the source can be put over the gamma probe without removing the probe from its mounted position. An additional spacer ring ensures the source is placed in the same position relative to both LD and HD detectors every time the test or calibration is performed. The recommended frequency for performing the accuracy test and/or calibration of each probe is once every 12 months.

TS421 WITH AGS421



TECHNICAL DATA

- Nuclide type: Cs-137
- Activity: ~360 kBq (~10 µCi)
+30%, -0%
- Source type (product code): CDRB12222
- Operating Conditions:
 - Temperature range: -40°C to +60°C
(-40°F to +140°F)
 - Air humidity range: 0% to 100%
- Dimensions (diameter x height)
 - Gamma source: 96x30 mm
(3.78x1.18 in)
 - Distance holder TS421-4: 96x295 mm
(3.78x11.61 in)
- Test set is delivered in an aluminum case
 - Mechanical dimensions: 450x350x150 mm
(17.72x13.78x5.91 in)



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Technical contents are subject to change without notice!

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