Performance Testing / Calibration Testing for Thermo EPD's and JCS ED3 Real Time Dosemeters

We are now offering, In partnership with John Caunt Scientific, an express annual performance test for the ED3 Extremity Electronic Dosemeter Probes.

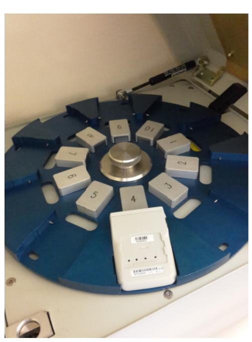
JCS Nuclear Solutions

ED3 Detector Probes should be checked annually to ensure their response to radiation is within specification. For the D1 Probe angular response is checked to confirm the integrity of the internal filters.

Phoenix Dosimetry in partnership with Thermo Fisher Scientific now offer an express calibration service for the EPD-2 Personal Electronic Dosemeters.

ThermoFisher SCIENTIFIC

Our laboratory is now fully equipped with the essential Thermo Fisher calibration and test equipment which is specifically designed for the EPD-2 units.



To use this service simply email us at support@phoenix-dosimetry.co.uk and let us know how many and which type of units you would like us to test / cross calibrate

CERTIFICATE OF TEST - PASS

Phoenix Dosimetry Ltd

Unit 8, Lakeside Business Park
Swan Lane
Sandhurst
Berkshire
GU47 9DN

Radiological Performance Certificate of Test
No: 1000

Details of Instrument and use:

Description: JCS ED3 with D1 Detector
Serial No: 0066 / 418
Use: Measurement of X and Y radiation dose at and above 60 keV

Details of Test:

Date: 4th July 2017
Type of Test in bold: **Test Before First Use**
Test Conditions: The instruments dose response was tested together with the polar response which was determined at 0° and ±60° in the horizontal plane. All measurements were performed on an X Ray set fitted with Tungsten filter at 90 KvP; the Dosemeter was mounted lengthwise on the front face of an ISO PMMA rod phantom with a 19 mm diameter and 300 mm length.

Test reference point: Front of phantom

Orientation: Radiation beam normal to detector reference mark, unless angle to beam stated.

Uncertainties: The uncertainties associated with this measurement s are not expected to be above 12.5% at the 95% confidence level.

Traceability: The measurements were performed against a reference ED-3 Dosemeter directly calibrated at the PHE / UKAS facility.

Results of Test: Satisfactory for measurements performed. See over.

Compliance with the Ionising Radiations Regulations 1999:

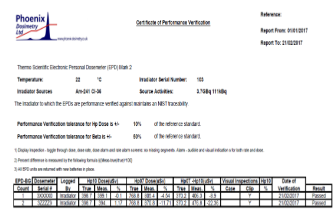
These results are typical of type and the instrument / detector is suitable for the use described in Section B, under the terms of the Regulations and the associated Approved Code of Practice.

Test Performed By: Ken Bosley **Signature:**

Date of Issue: 11th July 2017

Telephone: +44 (0)1252 871990 Website: www.phoenix-dosimetry.co.uk Email: sales@phoenix-dosimetry.co.uk
Fax: +44 (0)843 5241886 Directors: M. Sweeney, N. Harvey Registered Office: As above Registration No:08521146 VAT No: 163 0101 65

Sample Test Certificate



Turnaround times are typically 1 week.

Please email us now for any further details at

support@phoenix-dosimetry.co.uk