# Schedule of Accreditation

**issued by**

# United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

**0573**

**Accredited to ISO/IEC 17025:2005**

## Johnson Controls Ltd

**Issue No:** 009 **Issue date:** 30 June 2010


**Radiological Protection Instrument Calibration Laboratories**
**Building D1313**
**Dounreay**
**Thurso**
**Caithness**
**KW14 7TZ**

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**Calibration performed at the above address only**

DETAIL OF ACCREDITATION

| Measured Quantity Instrument or Gauge | Range | Calibration and Measurement Capability (CMC) Expressed as an Expanded Uncertainty ($k$ = 2) | Remarks |
|---|---|---|---|
| AIR KERMA RATE | $^{137}$Cs | | Instruments can be calibrated in accordance with the scheduled measured quantities and ranges |
| | 1 μGyh$^{-1}$ to 10 μGyh$^{-1}$ | 6.0 % | |
| | 10 μGyh$^{-1}$ to 200 mGyh$^{-1}$ | 4.0 % | |
| | $^{60}$Co | | |
| | 15 mGyh$^{-1}$ to 150 mGyh$^{-1}$ | 4.0 % | |
| | $^{241}$Am | | |
| | 20 μGyh$^{-1}$ to 200 μGyh$^{-1}$ | 6.0 % | |
| AMBIENT DOSE EQUIVALENT RATE | $^{137}$Cs | | |
| | 1 μSvh$^{-1}$ to 10 μSvh$^{-1}$ | 7.0 % | |
| | 10 μSvh$^{-1}$ to 200 mSvh$^{-1}$ | 6.0 % | |
| | $^{60}$Co | | |
| | 15 mSvh$^{-1}$ to 150 mSvh$^{-1}$ | 6.0 % | |
| | $^{241}$Am | | |
| | 35 μSvh$^{-1}$ to 350 μSvh$^{-1}$ | 7.0 % | |
| PERSONEL DOSE EQUIVALENT RATE | $^{241}$Am | | |
| | 38 μSvh$^{-1}$ to 380 μSvh$^{-1}$ | 7.0 % | |
| | $^{137}$Cs | | |
| | 1 μSvh$^{-1}$ to 10 μSvh$^{-1}$ | 7.0 % | |
| | 10 μSvh$^{-1}$ to 200 mSvh$^{-1}$ | 6.0 % | |
| SURFACE CONTAMINATION RESPONSE | | | |
| Calibration for compliance with GPG 14 including tests before use and periodic tests | Beta emitting nuclides $^{14}$C, $^{90}$Sr, $^{36}$Cl | 15% | |
| | Alpha emitting nuclides $^{241}$Am | 15% | |

END