

NATIONAL CALIBRATION LABORATORY - SSDL

CALIBRATION OF RADIATION SURVEY METER

According to the definition, calibration refers to procedures with which a connection can be established between the result of a measuring instrument or a measuring system or the measurement unit value represented by a material measure or reference material under specified circumstances and the corresponding values implemented with measurement standards.

Routine calibration of radiation detection instruments is a required condition of regulatory and radioactive material licensing. All portable count rate meters (commonly referred to as GM Survey meters or “Geiger “counters) and exposure rate meters (commonly referred to as ion chambers) require annual calibration.



TAEC maintains a dedicated National Calibration facility for calibrating all types of portable radiation monitoring instruments across a wide range of radiation types and levels. Instrument calibrations are performed using reference ionization Chamber and radiation sources traceable to IAEA.