

Frequently Asked Questions

Question: What is the RM-25 Bench top Counter general capability?

Answer: The Model RM-25 is a microprocessor based general purpose radiation monitor/frisker station which may be connected to GM, gas proportional, and scintillation detectors to display activity level and has alarm capability. The RM-25 is AC powered with battery back-up to facilitate either bench-top or portable applications.

Question: What is the WinRM25 software for?

Answer: WinRM25 is the PC-based Calibration and Interface Program for the RM-25. Setup and calibration is accomplished through a PC serial port to the RM-25. Response time, dead time, voltage thresholds, alarm settings, and high voltage are set through the host PC, reducing conventional hardware in the RM-25. The Windows host program has the ability to save and restore the instrument parameters, edit instrument and system parameters, run and display plateaus, and generate a calibration report.

Question: What applications will the RM-25 be suited for?

Answer: The RM-25 is suited for frisking, room or area monitor and land fill applications. The RM-25 is line powered and can be configured provide remote alarm and response data.

Question: How can the RM-25 be used in land fill applications where two detectors are required?

Answer: A MHV (Tee) connector, Thermo P/N CXMH7, is connect to the single RM-25 MHV input connector? Two separate SPA-3 detectors now can be connected to the Tee. The SPA-3 detectors must be matched such that both will operate on plateau with the same high voltage.

Question: What testing has been performed?

Answer: EN55011 Class A EMI Test; ANSI N42.17

Question: What is the relay option, RM25OPT5?

Answer: The option provides for a solid state relay output to the RM-25. The relay contact is accessible to a terminal strip on the back of the instrument. The relay contacts are rated at 60 Volts DC, 3 Amps maximum. The relay is designed for DC voltages only, AC voltages will damage the relay. When an alarm condition occurs the relay open collector output is energized, closing the In/Out contacts on the terminal strip. The description of RM25OPT5 is described in the Manual Insert MANIN2509/MI2509.

Question: How are GM detectors configured in the RM-25.

Answer: Setup for the HP-270 and HP-360 GM detectors are not covered in the RM-25 technical manual. The following parameters can be used for either detector: On the Instrument Parameters screen, set the Dead Time to 90 μ s, Upper Threshold to 10.0 mv, Lower Threshold to 5.00 mv, High Voltage to 900, Max. High Voltage to 900, Selected Window Upper. A plateau does not need to be run for these GM detectors because they are designed to operate on plateau at 900 volts.

Question: Can the RM-25 work with E-600 Smart probes?

Answer: The RM-25 is not configured to communicate with E-600 smart probes, but they may be calibrated for use with the RM-25 as conventional probes with an appropriate cable.