

Model 9DP Ion Chamber Survey Meter

Specifications

Radiation Detected	Gamma & X-rays above 25 keV; Beta above 1 MeV
Operating Ranges	With R/hr units: 0–500 µR/hr, 0–5 mR/hr, 0–50 mR/hr, 0–500 mR/hr, 0–5 R/hr
Chamber Volume	230 cm ³ (14 in ³) volume pressurized to 8 atmospheres (117 psi)
Accuracy	+/-10%
Response Time	5 seconds in lowest range, 2 seconds in all other ranges, when measuring from 10% to 90% of final value
Measurement Readouts	Simultaneous display of rate, integrated reading, and highest rate (peak hold)
LCD Display	8.9 cm (3.5 in.) diagonal, 240 x 320 (H x W) pixels, TFT active matrix, 262,000 colors, 220 cd/m ²
User Controls	4 push-buttons: instrument on/off, peak rate/integrate mode, audio on/off, alarm acknowledge/meter reset/clearing integrated dose or peak rate
Automatic Functions	Auto ranging, auto zeroing, auto LCD backlighting
Audio Outputs	Built-in unimorph speaker, > 60 dB at 0.6 meters (2 ft.)
Alarms	Two levels of radiation alarms available, each are user programmable throughout entire readout range and set through a PC interface program. Other alarms include low battery and various detector failures.
Temperature Range	-20 to 40 °C (-4 to 104 °F)



Power	Eight rechargeable AA NiMH batteries, supplied with wall charger for direct connection to instrument
Battery Life	12 to 30 hours between charges, depending upon use of backlighting
USB Interface	Single USB port, may be connected directly to a USB keyboard to facilitate password-protected parameter changes, accepts USB thumbdrive for storing logged data, optional interface kit facilitates connection to a PC for parameter editing and calibration
Construction	Durable molded plastic with internal metal support
Size	21.9 x 11.6 x 24.5 cm (8.6 x 4.6 x 9.6 in.) (H x W x L)
Weight	1.5 kg (3.3 lb), including batteries