

Radiation Measurement and Control— rely on Mini's range and know-how.



Since its formation in 1963, Mini Instruments has produced a wide range of units for the accurate monitoring and measurement of radiation and contamination. Illustrated is a selection of up-to-the-minute Mini units of which there are nearly 40,000 currently in use throughout the world.

SmartION a state-of-the-art, microcomputer based ion chamber survey meter for the measurement of Gamma, Beta and X-ray radiation, and which sets new standards in versatility, accuracy, operational simplicity and reliability.

The 1000 Series Mini-Rad gamma survey monitor for use by research, hospital and industrial organisations as an inexpensive, convenient and reliable gamma dose rate meter.

The 900 Series of monitors for radiation control. All units have a large logarithmically scaled meter

and a speaker to give an audible estimate of radiation intensity; an alarm which can be set to trip at any level on the scale; battery or mains operation.

Full technical information and prices are available on request.

*Mini Instruments Limited,
8 Station Industrial Estate,
Bumham-on-Crouch, Essex,
CM0 8RN, England.
Telephone: 01621 783282.
Fax: 01621 783132.*

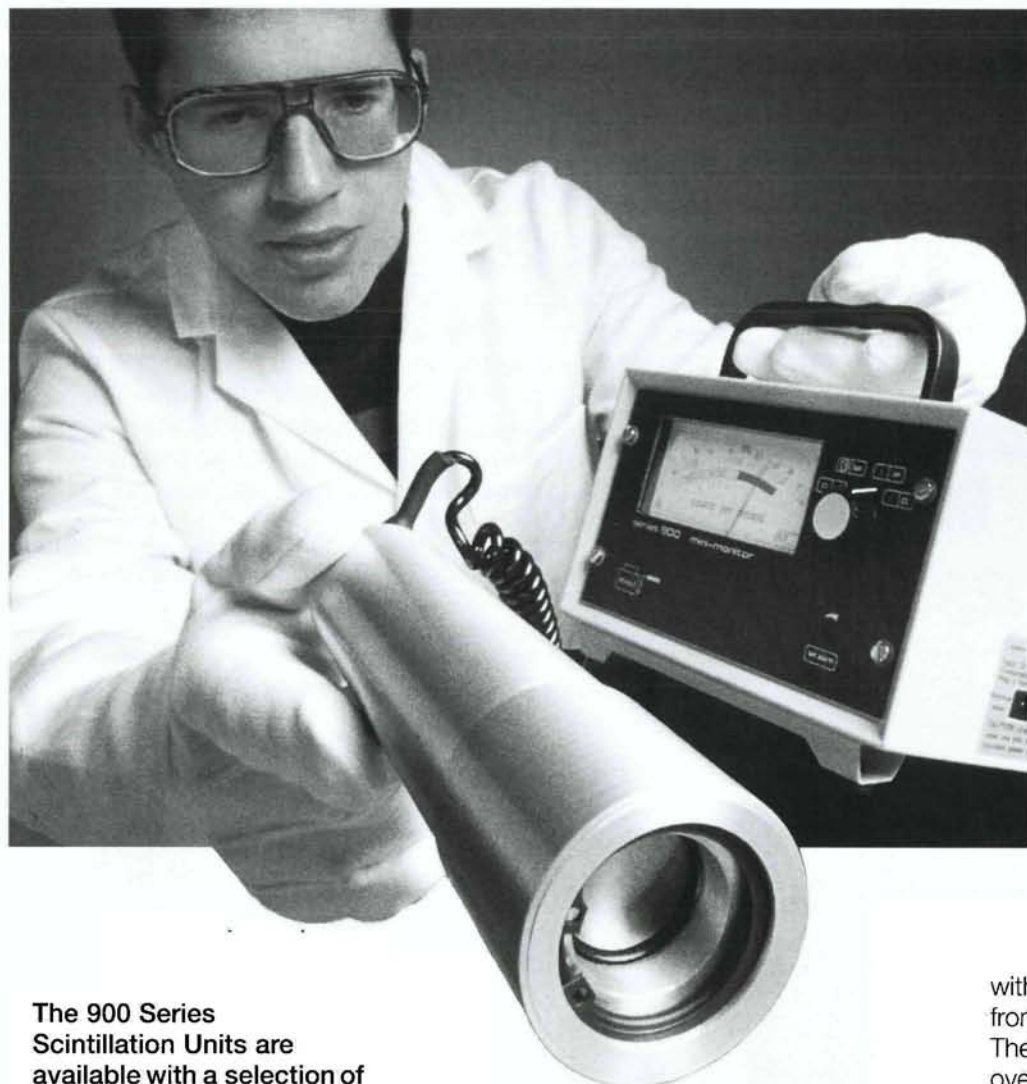


MINI-INSTRUMENTS LTD

RAD/CON

RADIATION AND CONTAMINATION INSTRUMENTATION

Just Scintillating



Scintillating probe range.



Gamma Counter using a Well Crystal Scintillation probe.



Monitors for Radiation Control.



Monitors for Contamination Control.



Scintillation Monitors for Contamination Control.



The 900 Series Scintillation Units are available with a selection of Scintillation Probes for efficient γ detection.

Illustrated is the type 42B detector 23mm \varnothing x 1mm crystal with aluminium or beryllium window for low energy photon or X-ray detection.

Mini-Instruments, established over 30 years, has an extended range of light

weight, portable instruments including counters, alarm monitors and environmental monitors; for low cost, reliable detection and contamination monitoring. Also available is the Mini Range of Compensated GM Tubes, for environmental and general purpose gamma monitoring

with a useful energy range from 45 KeV upwards. There are currently over 60,000 of our products in use throughout the world... isn't that just scintillating.

*Mini-Instruments Limited,
15 Burnham Business Park,
Springfield Road,
Burnham-on-Crouch,
Essex CM0 8TE. England.
Tel: +44 (0)1621 783282.
Fax: +44 (0)1621 783132.*



MINI-INSTRUMENTS LTD

RAD/CON

RADIATION AND CONTAMINATION INSTRUMENTATION

INSTRUMENT SELECTOR WALL CHART

ISOTOPE	Major emission (ke V)		Radiation	Contamination
	Beta	Gamma		
Americium 241		59	900R, D, 1000R	900/44A, 900 alpha probe (#)
Barium 133 * (open source)		30/81		900/44A, 44B
Barium 133 * (source in vial)		356		900/41
Cadmium 109		88		900/44A, 42B, 42A
Caesium 134	662	796	900/41	900E, EP15
Caesium 137	512	662	900R, D, G, SL, 1000R, 2100	900E, EP15, EP15FL, 44A, 41
Calcium 45	257			900EP15, EP15FL
Carbon 14	150		900E	900EP15
Chlorine 36	709			900E, S, SL, EP15, EP15FL
Chromium 51 * (open source)		320		900/44B
Chromium 51 * (source in vial)		320		900/41
Cobalt 57		122		900/44A, 42A, 41
Cobalt 58 *		6.5 / 810		900/44B, 44A
Cobalt 58 * (source in vial)		6.5 / 810		900/41
Cobalt 60	1550	1330	900R, D, G, 1000R, 2100	900SL, 2100
Gallium 67		93		900/44A, 44B
Gold 195		261		900/44A
Indium 111 *		23 245		900/44B, 44A
Indium 113 *		25 392		900/44B, 44A
Iodine 123		27		900/44A
Iodine 125 *		35	900D	900/44A
Iodine 131	606	363	900D, R, 1000R	900EP15, EP15FL, 41
Iridium 192	670	316	1000R	900E, EP15,
Iron 55		5		900/44B
Krypton 85	672	514 (weak)	900D	900E
Nickel 63	66			900EP15
Phosphorous 32	1700			900E, S, EP15, EP15FL
Phosphorous 33	245			900EP15
Promethium 147	225			900EP15
Radium 226	690	609	900R, G, D, 1000R	900/44A, 900 Alpha probe (#)
Selenium 75		264		900/44A, 41, 44B
Sodium 22	545	1270	900R, G, 1000R	900S, SL, E, EP15, EP15FL
Strontium 90 / Yttrium 90	546 / 2274			900S, SL, E, EP15, EP15FL
Sulphur 35	167			900EP15, EP15FL
Technetium 99m		141	900R, G, D, 1000R	900/41, 44A
Tellurium 123		27		900/44A
Thallium 204	764			900EP15
Thulium 170	964	84	900D	900/44A
Uranium 238	2290			900E, EP15