AT6130, AT6130A, AT6130B AT6130D, AT6130C

Hand-held small-sized instruments to measure ambient x-ray and gamma radiation dose equivalent and dose equivalent rate and beta radiation flux density from contaminated surfaces

Features

- Small weight and dimensions
- Interactive operation mode
- Audible and visual alarm at dose, dose rate or flux density threshold exceeding
- Rapid response to dose rate change (a new measuring starts)
- Selective beta and gamma radiation measuring in mixed fields
- Wide temperature operation under natural environment
- Beeping at every gamma quantum (beta particle) detection while ionizing radiation sources are searched
- Keeping up to 2000 measurement results with the measurement date and time in the nonvolatile memory
- Measurement result, current date and time and low battery symbol on a matrix LCD
- Data transfer to PC via IrDA interface

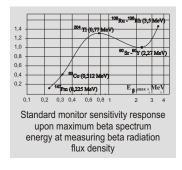
RADIATION MONITORS

 $0.1 \mu Sv/h - 10 mSv/h$ 10 - 104 particle/(cm2 · min) X & γ: 20 keV - 3 MeV; β: 155 keV - 3.5 MeV

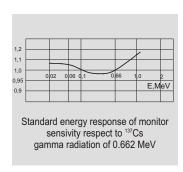


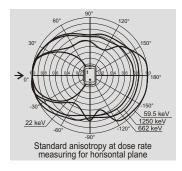
Application

- Dosimetry monitoring at industrial enterprises, medical institutions and other authorities
- Banknote contamination monitoring



- Radioecology
- Emergency
- Civil defense
- Fire brigades
- Emergency
- Customs









The radiation monitors are microprocessor instruments with digital readout. The G-M tube with the energy compensating filter is used is a detector.



Instrument	AT6130	AT6130A	AT6130B AT6130D	AT6130C
Beta radiation flux density	+	_	-	_
X-ray	+	-	-	-
Gamma radiation	+	+	+	+
IR channel for data exchange with PC	+	-	+	-

Specification

Ambient x-ray and gamma radiation dose equivalent rate measuring range AT6130, AT6130A, AT6130B 0.1 μSv/h - 10 mSv/h AT6130D 0.1 μSv/h - 100 mSv/h AT6130C 0.1 μSv/h - 1 mSv/h	Operating temperature range AT6130, AT6130B, -20 ÷ +55°C AT6130A -40 ÷ +55°C Relative humidity at 35°C 95%
Ambient x-ray and gamma radiation dose equivalent measuring range AT6130, AT6130A, AT6130B	at dose rate < 1.0 μSv/h AT6130, AT6130B,
Measurement time of natural background (0.1 μ Sv/h) at statistical error of $\pm 20\%$ less than 300 s Energy sensitivity response at gamma radiation dose rate measuring respect to 137 Cs $\pm 30\%$ at beta radiation flux density measuring respect to 90 Sr + 90 Y (-60 \div +50)%	Weight AT6130, AT6130A, AT6130B, AT6130D 0.25 kg AT6130C 0.2 kg Dimensions AT6130, AT6130A, AT6130B, AT6130D 110x60x38 mm AT6130C 111x70x28 mm

Complete set: radiation monitor, batteries, holster, Manual, package.

IR reader and applied software, charger with accumulators, head-phones and extension handle are options and they are supplied **on additional order.**

All modifications of the radiation monitor AT6130 have pattern approval certificates of Republic of Belarus and Kazakhstan and modifications AT6130, AT6130A, AT6130B have pattern approval certificates of Russian Federation, Ukraine and Lithuania.

They complies with IEC 60846 and IEC 60325 International standard requirements. They also conform with the 89/336/EEC directive complying with EN 61000-4-3 and EN 61000-4-2 standard requirements.



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