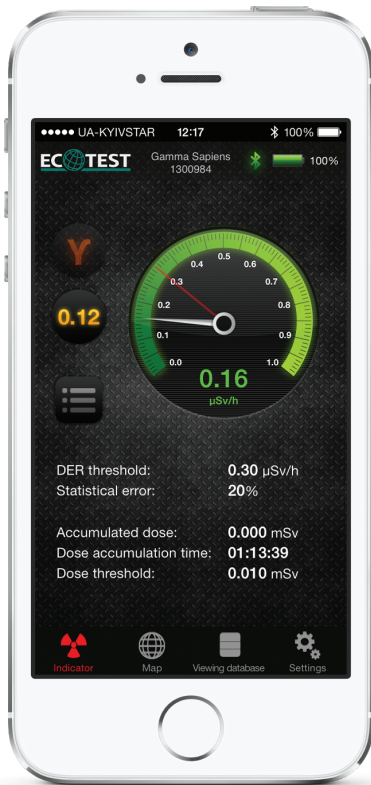


Turn your
smartphone
or tablet
into
dosimeter!

www.gamma-sapiens.com



The Gamma Sapiens intellectual gamma radiation detector is designed to measure radiation level and accumulated dose in everyday life.

It continuously transfers measurement results via Bluetooth to iPhone, iPad or smartphones and tablets running Android OS. With the help of GS Ecotest application information is displayed in a user-friendly way and stored in a database for its later viewing.

GS Ecotest is available for free download from the App Store and Google Play.



Features of GS Ecotest App:

- information about the radiation level and accumulated dose is transferred from Gamma Sapiens detector to the smartphone/tablet via Bluetooth in real time
- Display of measurement results in one of 4 different graphic representations
- Representation of collected data on a map with GPS coordinates
- Possibility to share measurement results via Facebook and Twitter (for iPhone and iPad only)
- Automatic track formation of dosimetric measurements by different user-defined criteria (for Android smartphones/tablets only)
- Data storage in a relational database with possibility of its review
- Making and receiving calls, sending and receiving messages, starting and using other applications, etc., without interrupting the process of measurement and loss of data
- Operation of the detector from the smartphone/tablet
- Setting up one or more dose and dose rate threshold levels. When the threshold level is exceeded, light audio and vibration alarms will be actuated

Gamma Sapiens is intended for:

- Measurement of gamma radiation dose rate (ambient dose equivalent rate)
- Measurement of gamma radiation accumulated dose (ambient dose equivalent)
- Transfer of measured results via Bluetooth to iPhone, iPad or smartphones and tablets running Android OS

Gamma Sapiens features:

- High dynamics and reliability of measurement result
- Built-in Geiger-Muller counter of high sensitivity (it will take just 10-15 s for a quick evaluation of the normal radiation background level)
- Communication with smartphones/tablets via Bluetooth
- Transfer of dosimetric information to smartphones/tablets in real time
- LED-based alarm of connection with smartphones/tablets
- LED-based alarm of the battery discharge
- Wide operating temperature range – from -18 °C to +50 °C (0°F to 122°F)
- Ingress protection rating – IP30
- Power supply – two AAA batteries

Technical specifications

	NAME	STANDARDIZE VALUE	UNIT
1	Measurement range of gamma radiation DER	0.1 – 5000	µSv/h
2	Main relative permissible error limit of gamma radiation DER measurement with confidence probability of 0.95 (calibrated relative to 137Cs)	$25+2/H^*(10)$, where $H^*(10)$ is a numeric value of the measured DER in µSv/h	%
3	Measurement range of gamma radiation DE	0.001 – 9999	mSv
4	Main relative permissible error limit of gamma radiation DE measurement with confidence probability of 0.95	25	%
5	Energy range of registered gamma radiation	0.05 – 3.00	MeV
6	Energy dependence of the detector readings at gamma radiation DER and DE measurements in the energy range from 0.05 MeV to 1.25 MeV	±25	%
7	Range of the Bluetooth interface for a smartphone/tablet connection, not less than	5	m
8	Battery life (ENERGIZER AAA×2 of 1280 mAh capacity) under natural background radiation conditions, not less than	60	hour
9	General operating supply voltage of the detector from two AAA batteries	3.0	V
10	Dimensions, not more than	19x40x95	mm
11	Weight without batteries, not more than	0.05	kg

Note: DER – ambient dose equivalent rate; DE – ambient dose equivalent.



Delivery kit:

- Gamma Sapiens intellectual gamma radiation detector
- Leather case
- Operating manual
- AAA batteries – 2 pcs
- Packing box