



Acquired NET (new excellent technology) certification from Korean Government

Smart Radon Sensor & Radon Monitor



New Excellent Technology

Approved by the ministry of Environment in KOREA

Radon gas sensor **RD200M** / Smart Radon detector for home owner **RD200 : Radon Eye**

Best price performance for Radon measuring agency **FRD400** / High quality product for specialist **FRD800**

High precision product for research and for real time monitoring the public place **FRD1600**

RD200M : Radon Gas Sensor

SPECIFICATION of RD200M

- Type : pulsed ion chamber
- Data interval : 10min update (60min moving average)
- **Sensitivity : 0.5cpm/pCi/l at 10pCi/l (30cph/pCi/l)**
- Operating range : 10~40°C, RH < 90%
- Range : 0.1 ~ 99.99 pCi/l
- Precision : < 10% at 10pCi/l
- Accuracy : < ±10% (min. error <±0.5pCi/l)
- Power : DC 12 ± 0.1V, 65mA (12V DC adapter)
- Size : Ø68(mm) x 98(mm)
- Data communication : UART

APPLICATIONS

- Radon sensor for IoT
- IAQ monitor
- Air purifier
- Auto ventilation system



Online Store : Amazon

RD200 : Smart Radon Detector for Home owner

Radon Eye



Radon Eye

RD200 is a Smart Radon Detector made in South Korea. The RD200 has 20 times higher sensitivity than the other handy radon detectors. Because the RD200 has the dual structured pulsed-ionization chamber system and highly accurate detection circuit designed by FTLab's own technology. A time for the first reliable data display is just <1 hour, so no longer need to wait a long time, 24~48hours. Also it offers convenience for data log, graph display, alarm setting by Bluetooth function with Smart Phone.

* Approved the NET certification from Korean government (2015.12)

SPECIFICATION of RD200

- Type : pulsed ion chamber 200cc
- First data out : < 60min
- Data interval : 10min update (60min moving average)
- **Sensitivity : 0.5cpm/pCi/l at 10pCi/l (30cph/pCi/l)**
- Operating range : 10~40°C, RH < 90%
- Range : 0.1 ~ 99.99 pCi/l
- Precision : < 10% at 10pCi/l
- Accuracy : < ±10% (min. error <±0.5pCi/l)
- Power : DC 12±0.1V, 0.1A (12V DC adapter)
- Size : Ø80(mm) x 120(mm)
- Data communication : Bluetooth LE (Android/iOS)
- **Data log : max 1year (1h step)**
- Display : 0.96 inch OLED

Smart phone App



• It available for all introduced products •

Online Store : Amazon

FRD400 : Best Price Performance for Radon measuring agency

SPECIFICATION of FRD400

- Type : pulsed ion chamber 400cc
- Data saving interval : 1h
- **Sensitivity : 0.8cpm/pCi/l at 10pCi/l (48cph/pCi/l)**
- Operating range : 10~40°C, RH < 90%
- Range : 0.05 ~ 99.99 pCi/l
- Precision : <±8% at 10pCi/l
- Accuracy : <±10% at 10pCi/l (min. error <±0.35pCi/l)
- Air supply : forced air fan
- Power : DC 5V, 0.6A (5V DC adapter)
- Size : W167 x D230 x H78(mm)
- Data communication : Bluetooth LE, USB to PC
- Data log : 10 slots, 60day / slot
- Display : 1.8 inch TFT-LCD
- Weight : 1.45kg



FRD800 : High Quality Product for Radon specialist

SPECIFICATION of FRD800

- Type : pulsed ion chamber 400cc x 2ch
- Data interval : 10min, 1h (10min update)
- **Sensitivity : 1.5cpm/pCi/l at 10pCi/l (90cph/pCi/l)**
- Operating range : 10~40°C, RH < 90%
- Range : 0.05 ~ 99.99 pCi/l
- Precision : <±5% at 10pCi/l
- Accuracy : <±6% at 10pCi/l (min. error <±0.35pCi/l)
- Internal sensor : temp. , humidity, vibration, pressure
- Air supply : forced air fan
- Power : DC 5V, 1A (5V DC adapter)
- Size : W260 x D285 x H100(mm)
- Data communication : Bluetooth LE, USB to PC
- Data log : 10 slots, 60day / slot
- Display : 3.2 inch TFT-LCD
- Weight : 3.2kg



FRD1600 : High Precision Product for research

SPECIFICATION of FRD1600

- Type : pulsed ion chamber 400cc x 4ch
- Data interval : 10min, 20min, 30min, 1h
- **Sensitivity : 3cpm/pCi/l at 10pCi/l (180cph/pCi/l)**
- Operating range : 10~40°C, RH < 90%
- Range : 0.05 ~ 99.99 pCi/l
- Precision : <±3% at 10pCi/l
- Accuracy : <±3% at 10pCi/l (min. error <±0.2pCi/l)
- Internal sensor : temp. , humidity, vibration, pressure
- Air supply : forced air fan
- Power : DC 5V, 1.5A (5V DC adapter)
- Size : W205 x D320 x H190(mm)
- Data communication : RS232, Bluetooth LE
- Data log : 10 slots each slot has 10min step, 10days storage capacity per slot
- Analog out ch : 4ch , α detection waveform 0~3V
- Display : 7 inch touch panel TFT-LCD
- Weight : 3.9kg



Sub-Product

GDK101 : Gamma Radiation Sensor Module (Arduino compatible)

FEATURES

- Solid state sensor : sensitive PIN Photodiode 10pc
- Sensitivity : 12cpm/ μ Sv/h
- Measurement Range : 0.01 ~ 200 μ Sv/h
- Linearity error : \pm 5% up to 100 μ Sv/h
- Calibration free
- Supply voltage & current : DC 4.0 ~ 6.0V, 10mA
- I2C and UART interface for MCU & Arduino

APPLICATION

- Indoor radiation monitor
- Radiation sensor for Arduino
- Environmental radiation level monitor



Online Store : Amazon



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