TERA Radon Programme 2018

TSR3 - Wireless and USB Radon Probe (TSR3D version with Display)

- Portable radon measuring probe
- Rechargeable accumulator 1 year without charging
- USB data downloading after measuring via PC application
- Wireless communication: ISM band – Central Unit TCR4A up to 16 probes in circle and up to 600 m in open space
- Wireless communication: SIGFOX – remote control from internet
- Internal memory up to 2 years 1hour results
- Measurement: 20 - 1M Bq/m3; 0,125 count/hour/Bq.m-3; < 4% at 300 Bq/m3 per 24 hour
- Measurement : quicker, less sensitive (RaA); slower, more sensitive (RaA + RaC)

TSRE1 - LAN and WAN Radon Probe

- Remote control via LAN TCP/IP network (10/100 Base-T) or via Wi-Fi
- Manage via a Web browser; no extra app; independent on your OS
- Network management and traps when crossing min./max. concentration limits
- Access protocol for industrial networks
- Easy software implementation to other systems - standard access to data
- Measurement: 20 - 1M Bq/m3; 0,125 count/hour/Bq.m-3; < 4% at 300 Bq/m3 per 24 hour
- Measurement : quicker, less sensitive (RaA); slower, more sensitive (RaA + RaC)
- Power supply - AC 230V or using the PoE splitter (supplied extra)
- Suitable for integration into smart buildings and industrial systems
- Alarms when exceeding set limits radon concentration

Radim 3AT - Precise Radon Monitor

- Czech legendary portable measuring instrument in new design and USB interface
- Large volume measuring chamber with very sensitive photodetector
- PC application - data in graph and export it for another data processing
- Service and upgrade of existing series of RADIM measuring instruments
- Measurement: 30 Bq/m3 – 150 kBq/m3; 0,8 count/hour/Bq.m-3; < 7% at 300 Bq/m3 per 1 hour

TSRG1 - GSM Radon Probe with GPS Localization

- Remote control via GSM network (mobile operator)
- Manage via a Web browser; no extra app; independent on your OS
- Network management and traps when crossing min./max. concentration limits
- Easy software implementation to other systems - standard access to data
- Measurement: 20 - 1M Bq/m3; 0,125 count/hour/Bq.m-3; < 4% at 300 Bq/m3 per 24 hour
- Measurement : quicker, less sensitive (RaA); slower, more sensitive (RaA + RaC)
- GPS localization for better monitoring in wider radon net
- Power supply - AC 230V
- System integration - suitable for stacionary integration

TSRS - Radon Sensors (UART, RS485 - MODBUS)

- Intelligent detectors with simple wired serial interfaces UART or bus interface RS485/MODBUS
- Easy implemention into third party system, Raspberry, Arduino, etc.
- Delivered descriptions of serial interfaces and protocols
- Measurement: 20 - 1M Bq/m3; 0,125 count/hour/Bq.m-3; < 4% at 300 Bq/m3 per 24 hour
- Measurement : quicker, less sensitive (RaA); slower, more sensitive (RaA + RaC)
- Powering: 5VDC/max. 5mA (UART); 7-15VDC/max. 5mA (RS485)

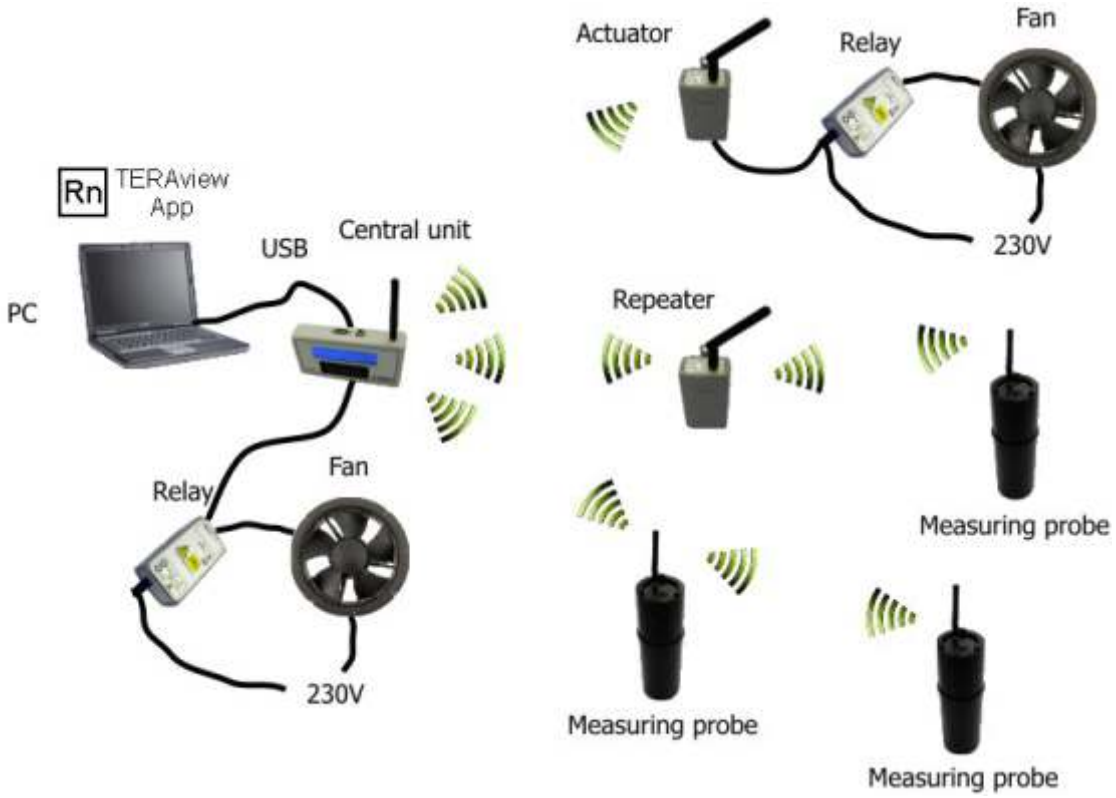
TSRP3 - Wireless and USB Radon Soil Probe

- Portable radon measuring probe with saving data into own internal memory
- Adapted for insertion into a bore hole of diameter 50mm and for increased humidity
- Rechargeable accumulator 1 year without charging
- USB data downloading after measuring via PC application
- Wireless communication.: ISM band – Central Unit TCR4A and up to 16 probes in circle up to 600 m in open space
- One probe chamber is filled with silica gel needs to be replaced after 6 weeks
- Soil Probe is designed for continual measurement of radon volume activity in soil

TCREX - Extended Memory and IP Access Point for TCR Terminal

- Designed for radical extension of TCR terminal memory capacity
- Possibility to connect TCR wireless terminal into LAN network or into internet for remote control
- Connected to the TCR terminal via USB cable
- Memory capacity is higher than 2 years of hourly records from 16 probes in terminal wireless network
- Viewing and downloading by connected PC with installed some internet browser

TERA System for Regulating Radon Concentration in Buildings



The TERA systems allow measuring and regulating radon concentration in residential spaces. Radon measuring probes distributed in a building transmit the current radon concentration values to the actuator. If the set values are exceeded, the actuator will switch the air-conditioning unit (fan) and ensures that the contaminated spaces will be vented. The TERA regulating systems represent cheap and energy-saving nondestructive solution of monitoring and curative anti-radon action not only for existing buildings.

- **Measuring and analyzing the volume activity of radon** - Determination of current and long-term concentrations
- **Regulating the volume activity of radon** - Connection of the system with a fan (anti-radon action)
- **Health protection** - Effective type of active health protection
- **24/7 monitoring** - Continuous measuring
- **Accompanying measures** - Temperature, humidity and pressure in measured spaces
- **Cheap solution** - Low cost electronic system in comparison with expensive destructive solution
- **Economic solution** - It effectively ventilate only if it is needed...energy saving
- **Technical support** - As the manufacturer we provide wide technical support and service

Contact

Sales Support:
Josef Heřman, +420 266 107 356, +420 737 047 377, herman.josef@tesla.cz

Technical Support:
Václav Řeřicha, +420 266 107 650, rericha.vaclav@tesla.cz

www.tesla.cz/en