



VF NUCLEAR



NUCLEAR  
POWER PLANTS



WASTE  
MANAGEMENT



CALIBRATION  
LABORATORIES



RESEARCH  
CENTRES



INDUSTRY  
& MANUFACTURING



NUCLEAR  
MEDICINE

## RDU-22

# RADIATION DISPLAY UNIT



## MAIN ADVANTAGES

- Wide range of connectable detectors
- Local display and settings
- User-friendly colour touch screen
- Integrated optical and acoustic signalling

## PURPOSE

RDU-22 is a detector display unit intended for use in radiation monitoring systems. It provides local signal processing, displaying of measured values, and signalling when preset alarm levels are exceeded. It also allows local setting of operational parameters.

The basic functions of the device are:

- displaying current and historical values,
- local parameter setting via touch screen,
- local archiving of measured values from connected detectors,
- fault and alarm signalling.

There are three basic models:

- RDU-22 – a stand-alone display unit with up to 16 measurement channels (up to 16 detectors can be connected directly to this unit).
- RDU-22M - a master display unit with RDU-22 features that also allows connection of 1 to 3 RDU-22S slave display units.
- RDU-22S – a slave display unit displaying the screens of RDU-22M, to which it is connected. Up to three RDU-22S can be connected to one RDU-22M. No detectors or other devices can be connected to RDU-22S.

RDU-22 radiation display units can be used as parts of centralized monitoring systems or as local display units for autonomous monitors.

RDU-22 usage examples:

- autonomous monitor communicating with different types of detectors,
- area gamma monitor (with gamma detector attached),
- unit for local processing, display and archiving of data which ensures decentralization of a radiation monitoring system and increases data security in the system.

## SPECIFICATIONS

Display	touch, colour LCD
Display diagonal	7"
Dimensions (W × H × D)	(350 × 300 × 160) mm
Power supply	110/240 V AC, 45 – 65 Hz
Weight	10 kg
Operating temperature range	from 0 to 50 °C
Mechanical design	IP 54 / IP 40
Interfaces	USB, RS-485, Ethernet

## OPTIONAL ACCESSORIES<sup>1</sup>

	RDU-22	RDU-22M	RDU-22S
Power supply	connector / bushing	connector / bushing	connector / bushing
Connecting probes	connector / bushing	connector / bushing	×
Communication cards	1 - 3	1 - 3	1 - 3
Light signalization	Y/N	Y/N	Y/N
Acoustic signalization	Y/N	Y/N	Y/N
Ethernet	Y/N	Y/N	×

<sup>1</sup>Optional accessories must be specified before ordering

## RELATED PRODUCTS

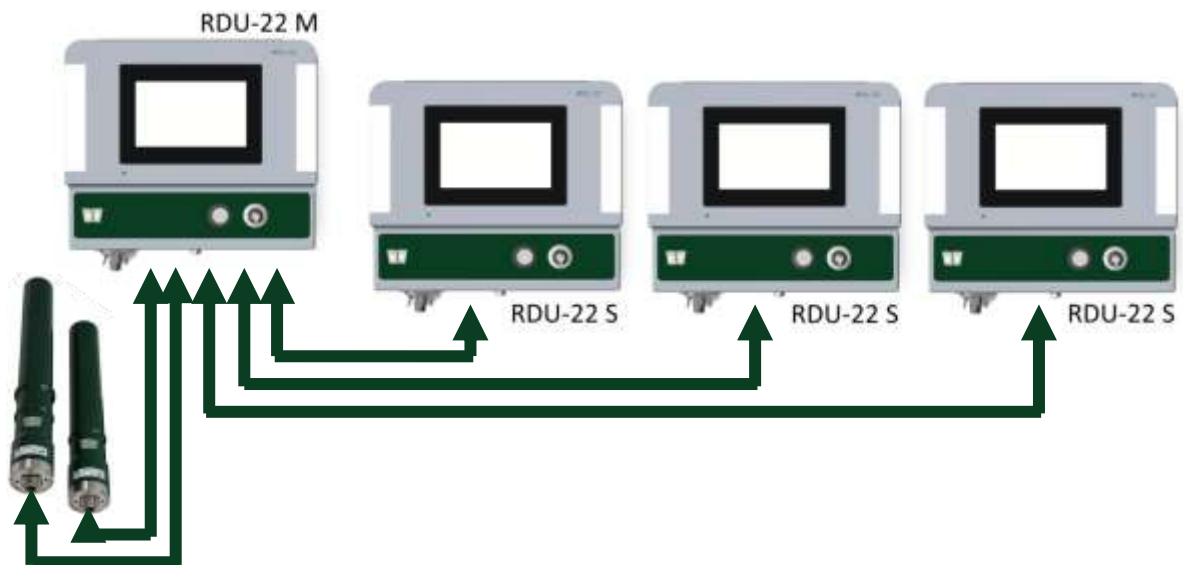
**RMS** Radiation Monitoring System

**MDG-08e** Dose Rate Meter

**MDG-04** Dose Rate Meter

**CPD-14** Continuous Particulate Detector

**MDN-01** Neutron Dose Equivalent Rate Meter



RDU-22M wiring example with RDU-22S and MDG-08e or MDG-04 meters connected