



VF NUCLEAR



NUCLEAR POWER PLANTS



WASTE MANAGEMENT



CALIBRATION LABORATORIES



RESEARCH CENTRES



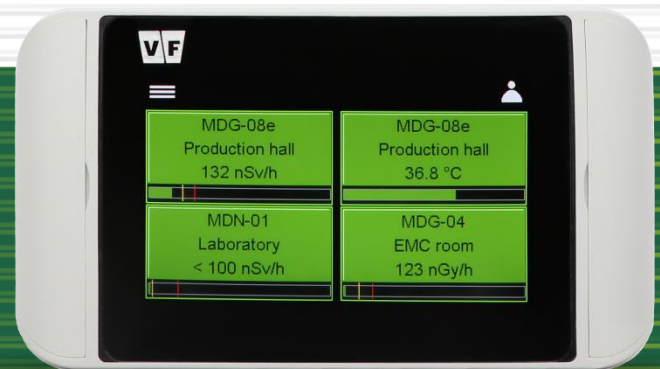
INDUSTRY & MANUFACTURING



NUCLEAR MEDICINE

RDU-02

RADIATION DISPLAY UNIT



MAIN ADVANTAGES

- Compact local display unit
- Wide range of connectable detectors
- User-friendly colour touchscreen display
- Integrated visual and audible alarms
- Local archive of values for up to 5000 values with an adjustable storage period from 10 s.
- Possibility of sending preset commands from the display unit directly to the connected detectors
- Connection to the host system using the Ethernet interface
- External alarm units can be connected

PURPOSE

RDU-02 is a compact 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.

The basic functions of the device are:

- displaying current values from 1-4 measuring channels,
- storing of measured values into the archive,
- indicating when the set alarm levels have been exceeded acoustically, optically on the display, and optionally also with a relay output signal,
- fault and alarm visual and audible signalling,
- setting of parameters in connected detectors via touch screen (alarm levels etc.),

Up to four detectors can be connected directly to this unit by Ethernet or RS-485.

The measured values from the connected detectors and the status of the unit are displayed on the local display and can simultaneously be transmitted to the host system using the Ethernet interface (RJ-45 connector).

SPECIFICATIONS

Display	touchscreen, colour LCD
Display diagonal	4.3"
Dimensions (W × H × D)	(160 × 90 × 52) mm
Power supply	PoE +48 V (IEEE 802.3af) (optionally power adaptor 12/24 VDC)
Weight	approximately 1 kg
Operating temperature range	from -22°C to 55°C
Mechanical design	IP 42
Detector interfaces	Ethernet, optionally RS-485
Host system interface	Ethernet, optionally also RS-485 and relay outputs

RDU-02

RADIATION DISPLAY UNIT

OPTIONAL FEATURES

Integrated signal tower with 3 strong optical elements (green, amber, red)

RS-485 host system interface with relay outputs and +12/24 V power supply

OPTIONAL ACCESSORIES

1-0214-00165 Stabilized PoE power adapter (injector) with output voltage +48 V

50-A-0017213 Wall mount for easy assembly and disassembly

RELATED PRODUCTS

RDU-22 Display Unit for 16 measurement channels

ASU-50 Alarm Slave Unit

RMS Radiation Monitoring System



RDU-22 Radiation Display Unit



ASU-50 Alarm Slave Unit



RDU-02 with integrated signal tower



RMS Radiation Monitoring System



VF NUCLEAR

VF, a.s. Czech Republic

T: +420 516 428 611

E: sales@vfnuclear.com

www.vfnuclear.com

Specification subject to change without prior written notice.

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