

## GAMMA RADIATION AREA MONITOR FOR ACCIDENT AND POST-ACCIDENT CONDITIONS

### APPLICATION:

measurement of absorbed dose rate.

### FEATURES:

- communication interfaces RS-485, Ethernet;
- user-friendly dismantling of MIC-02 for calibration and maintenance;
- relay output "dry contact";
- analog output (4 ÷ 20 mA).



### SCOPE OF SUPPLY:

- ionization chamber module MIC-02D with communication lines – 1 pc.
- data processing and transmission unit BOPD-A02D – 1 pc.

### ON REQUEST:

- leak-tight electrical penetration through the containment structure – 1 pc.

## TECHNICAL CHARACTERISTICS

- Detector: Ionization chamber
- Measurement range of dose rate for gamma radiation:  
 $5,0 \cdot 10^{-4} \div 1,0 \cdot 10^5$  Gy/h
- Energy range of measured gamma radiation:  $0,05 \div 7,12$  MeV

## OPERATING TEMPERATURE RANGE:

- ionization chamber module MIC-02D:  $-10 \div +350$  °C
- leak-tight electrical penetration through the containment structure:  $-10 \div +250$  °C
- data processing and transmission unit BOPD-A02D:  $-10 \div +50$  °C

## OPERATING PRESSURE:

- leak-tight electrical penetration through the containment structure: up to 0,7 MPa
- ionization chamber module: up to 1 MPa  
Cable length between MIC-02D and BOPD-A02D: up to 150 m

## IP RATING:

- ionization chamber module MIC-02D: IP67
- data processing and transmission unit BOPD-A02D: IP65
- leak-tight electrical penetration through the containment structure: IP67

## OVERALL DIMENSIONS, WEIGHT:

- ionization chamber module MIC-02D:  
240×135×115 mm, 5 kg
- leak-tight electrical penetration through the containment structure: 1600×250×210 (installation into embedded tube  $\varnothing 168 \times 7$  mm, length 1200 mm), 120 kg
- data processing and transmission unit BOPD-A02D:  
620×220×770 mm, 60 kg

