



Main

Range	Vigilohm
Device short name	IM20-H
Product or component type	Insulation monitoring device
Device application	Hospital
Earthing system	IT
User language	Russian Spanish French Chinese German Portuguese English Italian

Complementary

Network rated voltage	0...230 V - AC at 50/60 Hz (phase to neutral) 0...100 V - DC
Data recording	Alarm logs
Type of measurement	Network insulation resistance - measurement range: 1 kOhm...10 MOhm History of alarms
Local signalling	Green indicator light: satisfactory insulation resistance Orange indicator light: below fault threshold
Threshold setting	Fault: 50...500 kOhm
Response time	<= 1 s
Auxiliary supply voltage	125...250 V DC +/- 15 % 110...230 V AC 50/60 Hz +/- 15 %
Power consumption in VA	12 VA
Measurement voltage	25 V
Measurement current	0...0.2 mA
Internal impedance	110 kOhm - AC at 50/60 Hz
Test function	Manual
Output contact	1 C/O standard or fail-safe
Breaking capacity	250 V - AC at 6 A 12...24 V - DC at 6 A
Input function	Injection inhibition: 24 V DC 5 mA
Communication port protocol	Modbus
Communication port support	RS485
Display type	Digital display
Mounting mode	Clip-on Flush-mounted
Mounting support	DIN rail Panel
Connections - terminals	Removable screw terminal block 0.2...2.5 mm²
Material	Thermoplastic
Net weight	0.25 kg
Height	110 mm
Width	96 mm
Depth	59 mm

Environment

Dielectric strength	4000 V - AC 5500 V - DC
IP degree of protection	Front face: IP52
Environmental characteristic	Exposure to damp heat not in service conforming to IEC 60068-2-30 Exposure to damp heat in service conforming to IEC 60068-2-56 Salt mist conforming to IEC 60068-2-52
Pollution degree	2
Type of installation	Indoor
Standards	IEC 61010-1 IEC 61557-8 IEC 60364-7-710 IEC 61326-2-4
Product certifications	DNV[RETURN]EAC[RETURN]BV[RETURN]CE
Ambient air temperature for operation	-25...55 °C
Ambient air temperature for storage	-40...70 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	10.5 cm
Package 1 Width	13.5 cm
Package 1 Length	16.5 cm
Package 1 Weight	438 g
Unit Type of Package 2	S03
Number of Units in Package 2	8
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	4.177 kg

Offer Sustainability

REACH Regulation	 REACH Declaration
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	 China RoHS Declaration
RoHS exemption information	 Yes
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Contractual warranty

Warranty	18 months
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