



## HIG95-DELTA

- Insulation monitoring devices, the HIG95 series, are devices for monitoring insulation resistance in hospital applications.
- In addition to the insulation resistance, the IMDs also evaluate the current and thermal load of the IT system and thus meet the requirements for monitoring the medical, isolating protective transformer.
- There is also a number of monitoring panels, thanks to which the requirement for remote status signaling can be easily met. This is a series of MDS.
- The IMDs are equipped with a display for displaying currently measured values. The display together with the buttons is also used to set up the device.

Type		HIG95-DELTA
Monitored IT power supply system type according to IEC 61557-8		AC, MED
Measuring range of insulation resistance	$R_F$	5 ÷ 10 000 kΩ
Adjustable range of critical insulation resistance	$R_{an}$	50 ÷ 500 kΩ
Number of insulation resistance fault levels ( $R_{an}$ )		1
Rated voltage of monitored IT system	$U_n$	230 V
IMD power supply		From measured IT system
Supply voltage range		85 ÷ 264 V
Visual signaling of thermal and current overload of the isolating transformer		Yes
Monitoring of current overload of medical transformer		Yes, using current transformers of the HIG-MT series
Monitoring of thermal overload of medical transformer		Yes, temperature sensor is connected straight to the IMD
Supported temperature sensors		1x PT100, 2x PT100, 1x NC contact, 2x NC contact, 1x PTC thermistor, 2x PTC thermistor
Power consumption	P	4 VA
Measuring voltage	$U_m$	12 V
Measuring current	$I_m$	< 0.6 mA
Measuring input's internal impedance	$Z_i$	> 1 000 kΩ
Measuring accuracy		± 10 %
Electrical strength against internal circuits		3 000 V
Equipped with display		Yes (OLED technology)
Supported module of distant signalisation (MDS)		MDS-D, MDS-DELTA
Communication interface for user		RS485 bus
Communication protocol		ISOLGUARD
Housing material		Polyamid PA6, UL94 V-0
Degree of protection of front panel		IP40
Degree of protection except the front panel		IP20
Operating temperature	θ	-10 ÷ 60 °C
Protection class according to IEC 61140		II
Recommended cross-section of connected conductors	S	1 mm <sup>2</sup>
Installation		On DIN rail 35 mm

Type		HIG95-DELTA
Modular width		2 TE
Operating position		Any
Operation type		Permanent
<b>Designed according to standards</b>		
Insulation monitoring devices for IT systems		IEC 61557-8:2014
Equipment for testing, measuring or monitoring of protective measures		IEC 61557-1:2007
Insulation coordination for equipment within low-voltage systems		IEC 60664-1:2007
Insulation monitoring devices for medical locations (MED-IMD)		IEC 61557-8:2014 annex A
Transformer thermal and current overload monitoring		IEC 61557-8:2014 annex B
<b>Application standards</b>		
Low-voltage electrical installations – Protection against electric shock		HD 60364-4-41:2017
Low-voltage electrical installations – Medical locations		HD 60364-7-710:2012
<b>Ordering, packaging and additional data</b>		
Mass	m	154 g
Mass (including the packaging)	m	168 g
Packaging dimensions (H x W x D)		45 x 102 x 74 mm
Packaging value	V	0.34 dm <sup>3</sup>
Customs tariff no.		90303370
EAN code		8590681107744
<b>Art. number</b>		<b>70 940</b>