

# Isolation monitor MED R 3rd ISOG

notified acurring insulation faults



- ▶ Suitable for Isolation Transformers MED R 3rd series
- ▶ The threshold for the alarm in case of insulation faults is 50 kOhm
- ▶ Obvious visual (LED) and audible (beeper) Warning
- ▶ Can be connected directly to one of the output sockets of the Isolation Transformer
- ▶ Test button for function test

The Isolation monitor was specifically designed for use with the series of medical Isolation Transformers MED R 3rd series. Due to an Isolation Transformer upstream earth-leakage trips can't realize potentially insulation failure. Those insulation failures are potential risks to patients or operators.

The Isolation monitor MED R 3rd controlled the resistance between the two separate protections, current-carrying contacts of the output socket. Changes of this resistance, or exceeding the maximum internal temperature will be reported visually (LED) or acoustically (beep).



NOTE: The Isolation monitor MED R 3rd is exclusively designed for use with MED R 3rd Isolation Transformers.

► **Technical Data:**

Rated Voltage:	230 V ~ 50/60 Hz +/- 10%
Power consumption:	1,3 VA
Operating capacity:	230 V +/- 10% 207 - 253 VAC
Responding value:	≤ 50 kOhm
Response time:	< 2 sec.
Signal indicator:	LED green: operating, LED yellow: insulation fault; LED yellow: transformer reaches temperature limit
Acoustic signal:	for insulation fault pulsating, over-temperature continuous
Ambient operating temperature:	0°C - +40°C
Relative operating air humidity:	30 % - 75 %
Protection rating:	II
Safety class:	IP 40
Dimensions [H x W x D]:	125 x 67 x 40 mm
Connection cable 230 V AC:	H05VV - F 3G1,0 with IEC 320 Cable Length (Standard) 0.75 m; optional 2.5 m
Patch cord / plug temperature monitoring:	Binder Series 682 - angle plug, 2-pole 250 V AC / 7A Cable Length (Standard) 0.75 m; optional 2.5 m
Standards:	EN60601-1, EN60601-1-1, EN60601-1-2, EN14971

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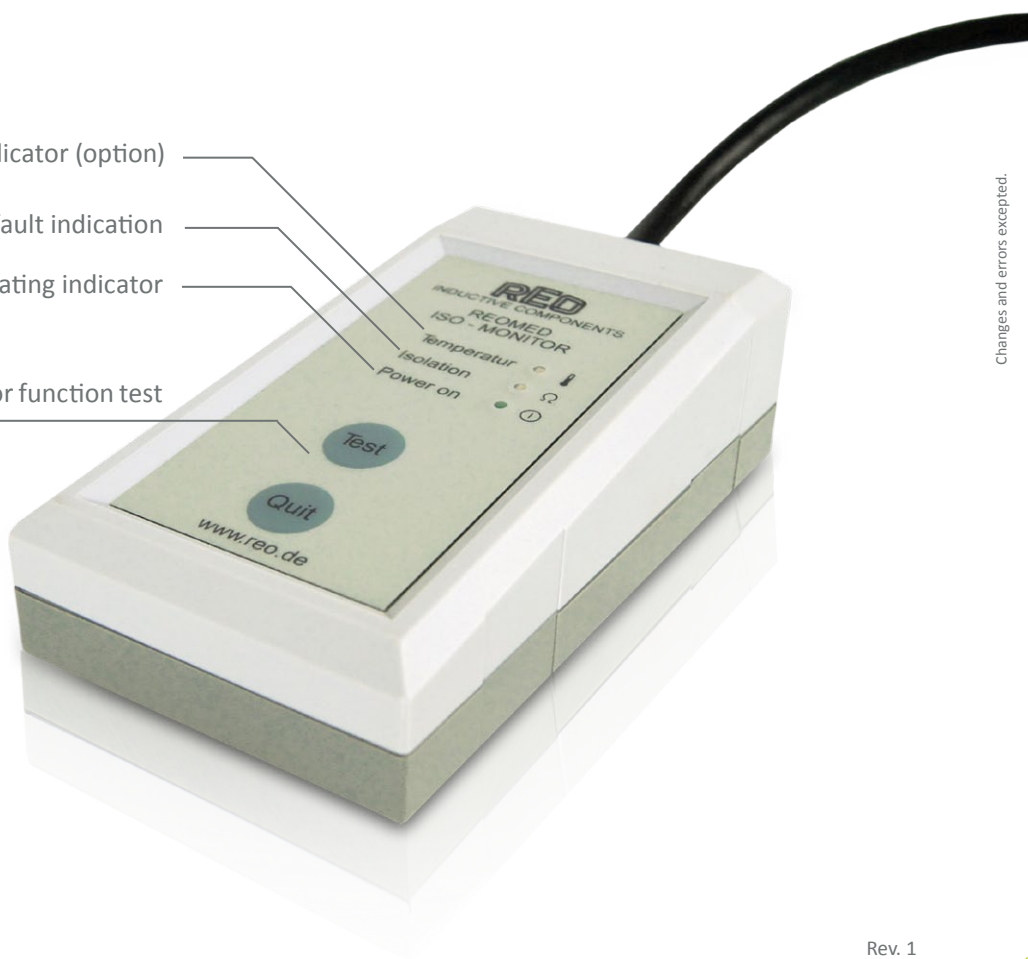
Overtemperature indicator (option)

Insulation fault indication

Operating indicator

Buttons for function test

For the functional test is a test button available, for the duration of the operation, it simulates a fault and triggers the signaling. In the case of an actual failure the acoustic Alarm can be reset of an acknowledgment key. The optical error signal persists until the error is corrected.



Changes and errors excepted.

Rev. 1