

# Isomonitor - isolation monitor for REOMED transformers

## Accessories

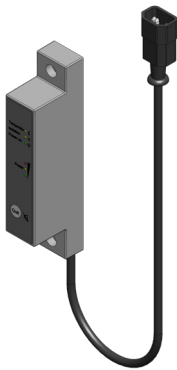
Conventional protective measures against isolation faults, such as fault current circuit breaks for home installations, may not recognise potential isolation faults on the output side when isolation transformers are used. The ISOMONITOR monitors the dielectric resistances of both live contacts of the isolation transformer's output socket against grounding potential and generates a warning signal in the event of a fault.

Isolation resistance is monitored in case the threshold value of 50 k $\Omega$  (25 k $\Omega$ ) is exceeded. If this value is exceeded, both an acoustic signal (a pulsating tone of approx. 3 kHz, approx. 98 db) and a visual signal (LED indicator) are generated. The ISOMONITOR can be directly connected to one of the output sockets on the isolation transformer. Other optional functions are monitoring the transformer temperature with aural and visual alarms, and a visual display of the transformer's power consumption.

In the event of a fault, the aural alarm can be reset with an acknowledgement button, and the visual alarm is automatically reset as soon as the fault has been dealt with. Should a function test be performed with the ISOMONITOR, an appropriate test plug (adapter cable required) for simulating an isolation fault must be plugged into one of the output sockets on the isolation transformer. The signal will be triggered while the test plug is plugged in.



## Isomonitor – isolation monitor for REOMED transformers



Standard IEC 60601-1-2 (ed 4.0)

In combination with the REOMED  
isolation transformer as per:  
EN 60601-1  
EN 60601-1-2

## Advantages

- Easy to operate
- Aural and visual signals
- Function test with test plug
- Power consumption display (optional)
- Temperature warning (optional)

## Technical data

REO Isomonitor			
Rated voltage	230	115	(V)
Working range	200 - 240	100 - 120	(VAC)
Response value	≤ 50	≤ 25	(kΩ)
Response time	< 2		(sec.)
Signal indicators	<p><b>During operation:</b> LED green (power on)</p> <p><b>Isolation fault::</b> LED yellow (isolation)</p> <p><b>Transformer threshold temperature reached:</b> LED yellow (temperature)</p> <p><b>Transformer power workload (power):</b> LED green: 30 % LED yellow: 60 % LED red: 90 %</p>		
Aural signal	<p>For isolation fault: pulsating</p> <p>For overtemperature: Continuous tone</p>		
Ambient operating temperature	0... +40		(°C)
Relative ambient operating air humidity	30... 75		(%)
Protective class	II		
Protection rating	IP 20		
Dimensions [H x W x D]	192 x 34 x 56		(mm)