# REOMED I

## Isolation transformers – Version 3.1

Transformers for medical technology

Medical systems must safely meet the leakage current requirements specified in the standard – if several devices are switched together, the overall leakage current increases accordingly.

The TÜV-certified REOMED isolation transformers are proven and reliable equipment for use with all electrical systems in a medical environment – they limit the leakage current and thus help to ensure patients' safety.

REOMED isolation transformers are characterised by their very low magnetic stray field, high level of safety, and reliability, whilst also providing high efficiency and easy connectivity.

In addition to the standard range, these transformers may be constructed in accordance with customer requirements and enhanced by adding an electronic starting current limiter, surge protection and a mains filter.

## Advantages

- Wide range of options
- Low weight
- Short-circuit and overload protection
- Integrated starting current limiter
- Sturdy aluminium housing
- Equipotential earthing pin as per DIN 42801
- Plug connections as per IEC 60320
- IEC 60601- 1:2005/ AMD1:2012; ANSI/ AAMIES 60601-1:2005/ CR/ 2012 CAN/ CSA C22.2 No. 60601-1:14 (medical technology) USA and Canada IEC 60601-1-2:2014 (partly); EN/ IEC 61000-3-2:2014; EN/ IEC 61000-3-3:2013

**REOMED I 300**



**REOMED I 300 W**



**REOMED I 600**



**REOMED I 800 W**



**REOMED I 1000**



**REOMED I 1300, 1600, 2200**



**Norm IEC 60601-1 (ed 3.1) / NRTL**
**Norm IEC 60601-1-2 (ed 4.0)**

# Technical data

| REOMED I 300 | | | | | | |
|---|---|---|---|---|---|---|
| **Nominal input power [VA]** | 300 | 300 | 300 | 300 | 300 | 300 |
| **Input voltage [V]** | 115/230 | 230 | 115 | 115 | 230 | 115/230 |
| **Output voltage [V]** | 230 | 230 | 230 | 115 | 115 | 115/230 |
| **Mains frequency [Hz]** | 50/60 | 50/60 | 50/60 | 50/60 | 50/60 | 50/60 |
| **Input power plug** | 1 piece IEC/EN 60320 (C14) UL 498, CSA C22.2 no. 42 | | | | | |
| **Output power plug** | 4 piece IEC/EN60320-2-2 (C13) UL 498 CSA C22.2 no. 42 | | | | | |
| **Power switch** | yes | yes | yes | yes | yes | yes |
| **Input fuse [A]** | T3.15 / T1.60 | T1.60 | T3.15 | T3.15 | T1.60 | T3.15 / T1.60 |
| **Thermal overload protection [°C]** | 120 | 120 | 120 | 120 | 120 | 120 |
| **Max. output current [A]** | 1.30 | 1.30 | 1.30 | 2.60 | 2.60 | 2.60/1.30 |
| **Output fuse [A]** | - | - | - | - | - | - |
| **Inrush current limiter** | yes | yes | yes | yes | yes | yes |
| **Standard** | NTC | NTC | NTC | NTC | NTC | NTC |
| **Earth leakage current 127/254V [µA]** | <300/500 | <300/500 | <300/500 | <300/500 | <300/500 | <300/500 |
| **Insulation / protection resistance [Ω]** | >2M/<0.1 | >2M/<0.1 | >2M/<0.1 | >2M/<0.1 | >2M/<0.1 | >2M/<0.1 |
| **Test voltage** | primary-secondary: 4kV AC; primary-housing / secondary-housing: 1.5kV AC | | | | | |
| **Protection class** | I | I | I | I | I | I |
| **Protection IP** | IP20 | IP20 | IP20 | IP20 | IP20 | IP20 |
| **Ambient temperature [°C]** | ±0..40 | ±0..40 | ±0..40 | ±0..40 | ±0..40 | ±0..40 |
| **Ambient air humidity, relative [%]** | 30..75 | 30..75 | 30..75 | 30..75 | 30..75 | 30..75 |
| **Max. altitude [m]** | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 |
| **Equi-potential earthing (DIN42801)** | POAG - S6/15 | | | | | |
| **Housing, Surface** | Powder-coated metal - RAL 7035 | | | | | |
| **Approval / principles /Conformity CE** | EC60601-1:2005/AMD1:2012; ANSI/AAMIES 60601-1:2005/CR/2012<br>CAN/CSA C22.2 No. 60601-1:14 (medical technology) USA and Canada<br>IEC60601–1-2:2014(Partly); EN/IEC 61000-3-2:2014; EN/IEC 61000-3-3:2013 | | | | | |
| | | | | | | |
| **Accessories (Options):** | | | | | | |
| **Power line** | Country-specific | | | | | |
| **Pull-off protection** | Mechanic retaining kit (1x trigger safety lock, 4x zinc plated plastic head slotted drews) | | | | | |
| **Mounting rails** | Mounting kit (2x mounting rails, 4x hexagon screw) | | | | | |

# Dimensions in mm

| REOMED I 300 | | | | |
|---|---|---|---|---|
| **Type** | **H [mm]** | **B [mm]** | **T [mm]** | **Weight [kg]** |
| **REOMED I 300** | 85 (90*) | 150 | 240 | 4,5 |

* With rubber feet

All devices possess a starting current limiter (NTC or electronic), potential compensation as per DIN 42801, a primary power cable and a protective temperature limiter. Devices can be fixed using wall, table or floor mounting.