

Focus on mobile testing for precise measurement without emissions

ISUVOC MEPS

The mobile AC source
for testing of:

Small transformers | Frequency inverters

Medium voltage cables | High voltage devices

- Grid simulation
- Power supply stabilisation
- Powerful, rugged output up to 25 kVA
(max. 4 units in parallel = 100 kVA)
- No need of using a separate shielding transformer



ISUVOC MEPS - mobile AC source

The ISUVOC MEPS is useful in many ways for transformer and HV testing environments. Due to special HF filtering the ISUVOC MEPS is suitable for partial discharge (PD) measurements.

ISUVOC MEPS is specially designed for:

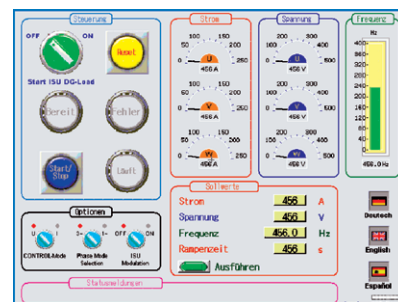
- Measurements of HV cables
- Tests according IEC/ANSI for dry and oil transformers from 250 kVA up to 2 MVA
- AC source for applied high voltage tests
- AC device for induced voltage tests

General features of ISUVOC MEPS

- Max. Power for single unit: 25 kVA, 4 units can be connected in parallel
- Input side:
 - AC choke for harmonic reduction
 - Line filter for HF reduction
- Output side:
 - Special HF range filter for noise reduction
 - EMC noise reduction
- Fully controllable via Profibus DP-V1, optional control by PC is available
- Voltage and frequency separately selectable, can be used also as AC current source
- An 8" touch screen panel for local operation including a PLC is available as an option
- A fully automatic control system for distribution transformer routine tests is available optionally

Technical data

Input (supply) voltage:	230 ... 480 VAC +/-10%
Input (supply) frequency:	50 / 60 Hz
Output voltage range:	0 ... 440 VAC (3 or 1 phase)
Output frequency range:	1 ... 250 Hz
Output power range:	1 kVA ... 25 kVA
Current scaling if selected:	0.1 A
Frequency and voltage scaling:	0.1 Hz, 0.1 V
Current transducers (optional):	Class 0.5; output contactor (optional)
Voltage measurements:	Phase - phase
Ambient temperature:	5 ... 40°C
Relative humidity:	5 ... 95%, no condensation
Protection class, cooling:	IP21, air cooled
Control interface:	Profibus - DPV1, optional PC
Internet access:	2 LAN interfaces (via optional IPC panel)
Total voltage distortion (THDU):	< 1,2% on 50/60 Hz and $U > 0,7 \times U_n$
Dimensions:	1452 x 600 x 500 mm (h x w x d)
Weight:	Max. 175 kg
Power Connection:	CEE 63 connector



Touch panel ISUVOC MEPS