

Low Power Current Amplifier-Set type MES

*The relating application:
Testing of earth leakage circuit
breakers*

The MES Amplifier-Set is a set of 6 low power amplifiers combined in a 19" Rack unit.



- ✓ Two current ranges: 70mA, 700mA
- ✓ Amplifier rack with up to 6 single units
- ✓ Output power 16.8W per unit
- ✓ Low harmonic distortion – typ <0.3% (700mA range)
- ✓ Frequency range 45 ... 500Hz
- ✓ RS485 Interface

TECHNICAL DATA

Applications:	Continuous current testing
Amplifier units	Up to 6 units
Continuous power:	16.8W per single unit(at nominal voltage)
Nominal current:	I ₁ : I _{cont} : 0 ... 70mA / 2V I ₂ : I _{cont} : 0 ... 700mA / 15V
Current adjustment:	Via RS485 interface
Load regulation:	< 1% (0 ... nominal load)
Frequency range:	45 ... 500Hz, 0.1Hz resolution
THD:	Typ. / Max. I ₁ : <0.5% / <1% I ₂ : <0.3% / <1%
Protection circuits:	overtemperature
Accuracy:	
<i>Output current:</i>	<2% of the adjusted value + 0,025% of the range value
<i>Current measurement:</i>	<1%
<i>Voltage measurement:</i>	<1%
<i>Time measurement:</i>	±1ms
Interface:	RS485
Power supply:	230V (±10%) 50Hz ... 60Hz
Protection:	2.5A
Ambient temperature:	0°C ... +40°C
Housing:	Sub-drawer system in 19"-plug-in unit (5U) colour light grey (RAL 7035)
<i>Dimensions (mm):</i>	approx. 222x466x320
<i>Weight:</i>	approx. 12kg
Options:	
<i>Digital I/O:</i>	galvanic isolated digital interface 4x Input / 4x Output