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Please note:

The data in our publications may differ from
the data of the devices delivered. We reserve
the right to make changes without notice.

IN2867616/01 EN – MESSKO® MCTA-5 and MESSKO® MZT1650S –
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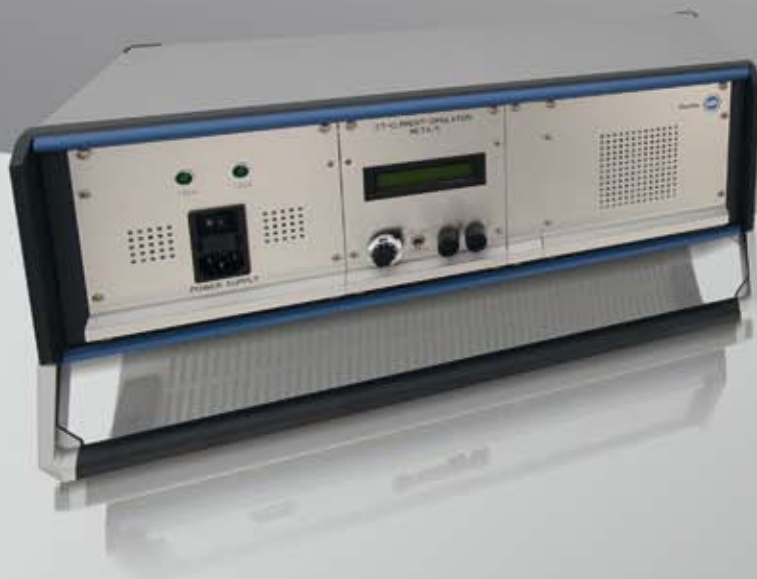
THE POWER BEHIND POWER.





CT CURRENT SIMULATOR
MESSKO® MCTA-5 AND
CALIBRATION BATH MESSKO® MZT1650S
SIMULATING AND CHECKING.

MESSKO INSTRUMENTS



CT CURRENT SIMULATOR MESSKO® MCTA-5 AND CALIBRATION BATH MESSKO® MZT1650S, THE POWERFUL MESSKO TEAM.



Simulate the thermal image of your transformer by specifying the CT current and the oil temperature on the test bench, during commissioning, during maintenance or in the laboratory.

MESSKO® MCTA-5

- | CT current simulator for verification and setting of CT current-operated temperature measurements at transformers for determining the thermal image based on the secondary current
- | Application on the test bench, during commissioning or during maintenance
- | Compact housing with carrying handle for mobile application at or on the disconnected transformer
- | The device is characterised by simple operation. The alternating current is set via a control knob and shown on a display
- | Constant AC (adjustable between 0 and 5 A) up to 40 VA load



MESSKO® MZT1650S

- | Precision measuring system as compact unit to check temperature sensors on the transformer or at the laboratory
- | Transportation to on-site tests in light-weight, secure service and transport case
- | Easy to operate thanks to well-organized user interface
- | Programmable temperature profile
- | Device-under-test checked in integrated liquid bath



TECHNICAL DATA

MESSKO® MCTA-5	Technical Data
Housing	
Dimensions W x H x D	495 mm x 160 mm x 300 mm
Weight	Approx. 11 kg
Protection class	IP22 in acc. with EN60529
Ambient temperature	-20 ... +50 °C
Power supply	
Supply voltage	90 - 250 V AC, 2 A max.
Line frequency	50 / 60 Hz switchable
Fuse	2 A, slow-blow
Output	
Output current	0 - 5 A AC, 50 / 60 Hz at pole terminals 4 mm
Adjustment	Precision potentiometer

MESSKO® MZT1650S	Technical Data
Temperature range	-35 °C up to +165 °C
Bath temperature control	Digital PID controller, automatic fine adjustment with softstart for fan
Tolerance	± 0.1 °C
Stability	± 0.05 °C
Display	
Bath temperature display	4-digit, 2-line, 7-segment LED, 7 mm high, red and green
Display range	-50 °C up to +165 °C
Resolution	0.1 °C
Test piece fixture	
Tank material	Aluminium
Tank bore	Ø 60 mm
Tank depth	Sensor cage 150 mm (total tank depth 170 mm)
Tank equipment	Screw cap, speed controlled magnetic stirrer, sensor basket, suction pump, sensor carrier
Equipment features	
Control OFF	Switch off of the control function
Hand control	Manual control of the bath temperature by hand
Temperature steps	Set point memory for 4 temperature values
Gradient control	Programmable °C/min
Ramp functions	Programmable temperature section
General data	
Power supply	90 ... 240 V AC, 50/60 Hz
Power consumption	Approx. 400 VA
Dimensions W x H x D	Approx. 210 mm x (380 + 50) mm x 300 mm
Weight	Approx. 12.5 kg