

Life Cycle Test Equipment

UBT, HEW, Waterbath, WT, VTR, Chest Freezer

Shelton CT, USA - Aachen, Germany - Qingdao, China

Life Cycle Test Equipment

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Life Cycle Test Equipment

Application: Complete lead acid battery laboratory
Test equipment for EN 50342 / 2001 norms IEC 60095-1
Tests for: capacity, reserve capacity, cold cranking performance, vibration, charge acceptance, charge retention, endurance, electrolyte retention

Special Features: Battery Manager Software BTS-550
MicroME controller each cabinet UBT and HEW

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UBT 50-18-6

Technical Data	
Charge/Discharge Current:	0.05- 50 A
Charge Voltage:	10 – 18 V
Discharge Voltage:	5 – 15 V
Resolution:	± 15 bit
Accuracy 10 -100%:	0.5% of set value
Accuracy 0 - 10%:	0.05% f.s.
Power:	3x 400 V, 50 Hz, 10 kVA
Dimensions HxWxD:	195 x 67 x 82,5 cm
Weight:	300 kg

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HEW 1500-12

Technical Data	
Discharge current, cold cranking (3 min) :	15 – 1500 A
Discharge current, continuous:	900 A
Discharge voltage:	5 – 15 V
Digital voltmeter:	0 – 19.99 V
Digital ampmeter:	0 – 1500 A
Power:	230 V, 50 Hz, 4 A
Dimensions (HxWxD):	195 x 67 x 82,5 cm

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VTR 500 S 100



Technical Data	
Table area:	500 x 500 mm
Max. load:	100 kg (depending on frequency & acceleration)
Vibration frequency:	20 – 50 Hz, selectable by potentiometer
Acceleration:	3 – 6 g (adjustable)
Vibration mode:	vertical
Stability of frequency:	± 2% during continuous operation
Power:	3x 400 V, 50 Hz, PE, 5 kVA
Table weight:	Table = 240 kg
Total weight VTR:	approx. 400 kg

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Temperature Chamber WT 120/70



Technical Data	
Test chamber volume:	120 l
Test chamber dimensions:	40x50x60 cm (HxWxD)
External dimensions:	120x80x103 cm (HxWxD)
Temperature range:	-70°C to +130°C
Temperature regulation:	± 1.0 K
Cooling rate:	2 K/min
Heating rate:	2.3 K/min
Power supply:	230 V, 50 Hz, 1.5 kVA
Weight:	approx. 210 kg

Life Cycle Test Equipment Waterbath



Technical Data	
Temperature range:	Ambient to 50°C
Accuracy:	± 1°C
Water level range:	130 mm to 180 mm
Power supply:	230 V, 50 Hz, 2.2 kVA
Inner dimensions:	70 x 141,5 cm (WxL)
Outer dimensions:	102 x 87 x 200 cm (HxWxL)

Life Cycle Test Equipment Laboratory Chest Freezer



Technical Data	
Temperature range:	-10°C to -50°C
Accuracy:	± 1.5 °C
Volume (liters):	300
Exterior dimensions:	140 x 80 x 110 cm (HxWxD)
Interior dimensions:	100 x 60 x 50 cm (HxWxD)
Weight:	240 kg
Power:	230 V, 50 Hz, 9 A