

Starter Test Stand >DMW50T<



The test stand is developed for testing 18kW starters, e.g. for the combat tank LEOPARD 2.

The equipment includes data acquisition for voltage, current consumption, speed and torque.

It is possible to adapt this test stand for other starter types.

- > Easy recording of measured values is achieved by a fast inbuilt data acquisition recorder.
- > The test stand can be operated ergonomically via an integrated central control panel.
- > The starter is loaded by an air pressure brake element.
- > Vibration isolation is achieved by vibration and noise damping elements attaching the UUT to the test stand.

GENERAL INFORMATION

- > A compact modular design ensures easy transportation, installation, operation and servicing.
- > The UUT is mounted to the test stand using a special type of mechanical adapter.
- > The battery section is ventilated to remove any explosive gas as well as heat and brake dust generated by the brake.
- > An inbuilt chain hoist enables the operator to easily load and remove the UUT.

TECHNICAL DATA

<p>> Electrical parameters (max.):</p> <p>Supply: 3/N/PE AC 50Hz 400V Nominal power: 17.3kVA Nominal current: 25A</p>	<p>> Measurement range:</p> <p><u>Torque:</u> (at a transformation rate of 1:10) 0 to 300Nm, ±2% o.f.s.</p> <p><u>Voltmeter for starter:</u> 0 to 40V, ±0.25% o.f.s.</p> <p><u>Voltmeter for solenoid switch:</u> 0 to 40V, ±0.25% o.f.s.</p> <p><u>Amperemeter for starter:</u> 0 to 4,000A, ±0.5% o.f.s.</p> <p><u>Amperemeter for solenoid switch:</u> 0 to 50A, ±0.5% o.f.s.</p> <p><u>Tachometer:</u> 0 to 10,000rpm, ±0.3% o.f.s.</p>
<p>> Compressed air supply:</p> <p>Min. pressure: 6bar (87.02psi)</p>	
<p>> Rotational speed:</p> <p>Max. speed of brake: 1,150rpm</p>	
<p>> Braking torque:</p> <p>Max. braking torque: 3,500Nm</p>	
<p>> Operating conditions:</p> <p>Operational temperature: 5 to 35°C (41 to 95°F)</p> <p>Storage temperature: 0 to 60°C (32 to 140°F)</p>	<p>> Dimensions and weight:</p> <p>Length: 1,900mm (6.2ft) Depth: 1,200mm (3.9ft) Height: 1,850mm (6.1ft)</p> <p>Weight: approx. 2,050kg (4,520lb)</p>

OPTIONS

A wide range of options is available to fulfil our customers' requirements.
 e.g.: Adaption for other starter types, etc.