Test Stand for Power Drive Unit
>TE301-000-00-100<

Has been developed for testing PDUs (Power Drive Units).
Technical data such as conveyor speeds, traction forces, vertical forces and current data can be determined.

With adaptions it can cover a high number of PDUs and can be adjusted further.

- Load simulation by synchronous machine
- Establishment of the required vertical position or force by means of electrically driven lifting table
- UUT mounting is carried out on an extensible mounting panel with quick latching system on the lifting table by means of aluminium adaptions and „Harting“ connection for test cables
- HMI is adjustable in height and pivoted
- IoT enabled
- CAN bus enabled

FURTHER DETAILS

- Test chamber with polycarbonate glazing and safety door monitoring
- Easy access for maintenance purposes with doors and removable covers
- Integrated measurement cabinet with industrial standard PC, oscilloscope and printer
- Equipped with a UPS and an accumulator
- No pneumatics or hydraulics required

TECHNICAL DATA

Electric Supply (requirements):

Mains connection:	3/N/PE AC 50Hz 400V
Nominal current:	max. of 2.9A
Power:	max. of 2.0kVA
Back-up fuse:	max. of 16A gG

400Hz Supply UUT (Requirements):

Mains connection:	3/N/PE AC 400Hz 200V
Nominal current:	max. of 10A
Power:	max. of 3.5kVA
Back-up fuse:	max. of 10A gG

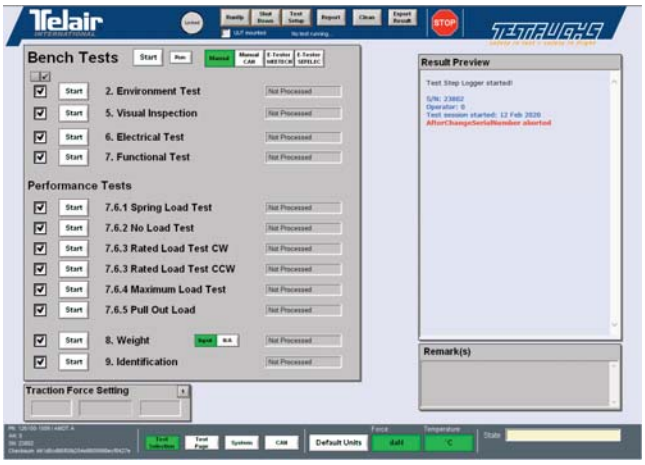
Conditions for Use:

Operating temperature:	5 to 35°C (41 to 95°F)
Storage temperature:	0 to 60°C (32 to 140°F)
Height:	up to 1,000m (3,280ft)
Noise emission:	max. of 70dB(A)

Dimensions and Weight:

Length:	2,475mm (97.4in)
Width:	1,362mm (53.6in)
Height:	2,458mm (96.8in)
Weight:	app. 2,000kg (4,409.2lb)

Mounting panel with quick latching system on the lifting table



Software interface „test selection“

FIELDS OF APPLICATION

For tests of the following CMMs:

> 119100	> 123100	> 124100	> 126100
> 129100	> 2801T100	> 2944T100	> 2955T100

DIMENSIONS

> **Measurements:**

AC Current Measurement:

(Phase A)	0 to 16AAC	±0.3% o.f.s.
(Phase B)	0 to 16AAC	±0.3% o.f.s.
(Phase C)	0 to 16AAC	±0.3% o.f.s.

AC Voltage Measurement (Phase-Phase):

(Phase A-B)	0 to 250VAC	±0.3% o.f.s.
(Phase B-C)	0 to 250VAC	±0.3% o.f.s.
(Phase C-A)	0 to 250VAC	±0.3% o.f.s.

AC Voltage Measurement (Phase-N):

(Phase A-N)	0 to 150AAC	±0.3% o.f.s.
(Phase B-N)	0 to 150AAC	±0.3% o.f.s.
(Phase C-N)	0 to 150AAC	±0.3% o.f.s.

DC Current Measurement:

(2 pieces)	0 to 1ADC	±0.5% o.f.s.

DC Voltage Measurement:

(2 pieces)	0 to 40VDC	±0.2% o.f.s.

DC Voltage Measurement (external):

(2 pieces)	0 to 40VDC	±0.2% o.f.s.

Current Peak Measurement:

(Phase A)	-50 to 50A	±2% o.f.s.
(Phase B)	-50 to 50A	±2% o.f.s.
(Phase C)	-50 to 50A	±2% o.f.s.

Force Measurement:

(1 piece)	0 to 10kN	±1.5% o.f.s.
(1 piece)	-4 to 4kN	±1% o.f.s.

Speed Measurement:

	0 to 22m/min	±0.5% o.f.s.

Pressure Measurement (Atmospheric Pressure):

	800 to 1200mbar abs.	±0.5% o.f.s.

Air Humidity Measurement:

	0 to 100% RH	±5% RH abs.

Ambient Temperature Measurement:

	0 to 50°C	±1°C	abs.

Temperature Measurement UUT:

(2 pieces)	15 to 100°C	±1°C	abs.

OPTIONS

A wide range of options are available to fulfill our customers' requirements.

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