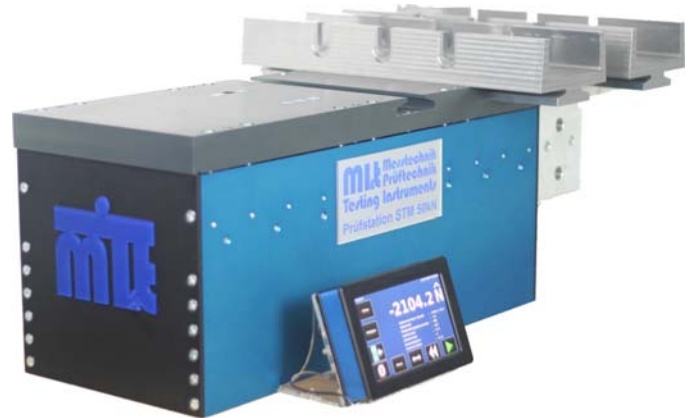


General Information:

- Compact and easy-to-use test station with great touch panel and automatic motor drive for tension and compression tests.
- Versatile usable Test Station e.g. for pull-off tests of crimped, pressed, welded and glued parts as cables with crimped terminals, contact plates, connectors of cable harnesses as well as for tension and compression tests in materials testing.
- Indication range 0 to 50 kN, Resolution 5 N
- Measuring system with high accuracy and repeatability.
- Motorized drive with adjustable and controlled test speed
- Quick change tool mounting adapter for tool assembly
- Peak Point Mode with indication of the highest measured force value
- Tracking Mode with indication of current force values.
- Break Stop function with automatic stop and reversal after break of test specimen.
- Preset of test load for non-destructive tests.
- Operation of measuring system and drive unit via capacitive touch panel.
- Tare compensation
- Overload indication.
- Measured-value memory.
- Single and listing output of measured values via serial port.
- Interfaces: RS232C, USB, Ethernet
- Set-up menu for internal parameter setting and adjustment of measuring system.



STM 50kN in Standardausführung

Technical Specification:

Model Designation: STM 50kN

Indication Range: 0 – 50 kN
 Resolution: 5 N
 Rel. accuracy error: $\leq \pm 0.25\% \pm \text{LSD}$
 (within the measuring range)

Force Measuring System:

Force Transducer:

DMS-load cell with integrated 16 bit AD-converter.
 Overload protection up to 150% of nominal load of load cell.

Belastungseinrichtung:

Dimensions: ca. 800x300x300 mm (BxTxH);
 Weight: ca. 100 kg (without testing tools);

Construction: durable all metal construction
 mechanical overload protection.

Housing: stainless steel / aluminium
 Finish: silver / blue, anodised oxide layer

Drive: BLDC motor with linear drive

Linear stroke: 150 mm.

Test speed: adjustable 5-300 mm/min.

controlled test speed,

max. tolerance: $\pm 1\%$

Break Stop

Function: automatic stop and reversal after break of test specimen.

Operation:

Operation of all displayed keys for measuring system and drive control via capacitive touch panel.

Evaluation:

Operating Modes: Tracking Mode and Peak Point Mode;

Internal update rate 10000 Hz;

Tare compensation; Overload indication; Test load preset for non-destructive tests; Measured value memory for 10000 measured values;

Single and listing output via serial port;

Setup Menu for internal parameter selection and adjustment of measuring system;

Power supply: 48 V DC, external mains adapter.



Model Overview STM:

Type	Indication Range	Auflösung [N]
50 kN	0- 50000	5

