



40-070-... – Mobile Tension Tester MTT 2500

Standards

CAN/CSA Z245.21, DIN 30 670, DIN 30 672, DIN 30 674, DIN 30 678, DIN EN ISO 21 809-1, EN 10 285, EN 10 329



Application

Portable tension tester especially designed for determination of the peel resistance of coated steel pipes. Further, it assesses the adhesive power of other coatings and foils.

Features

The MTT is composed of a control unit with software and a peeling unit. The control unit has power supply by external mains. The measuring process is controlled independently (start/stop). After testing, data evaluation is being supported by the software. A printout of the results per thermal printer is possible as well as the transmission of the measurement data on an USB memory device. The software provides a permanent graphical display of the measured values (force/time). The calculation of minimum, maximum and average value takes place in free selectable segment division after test end. The peeling unit works with separate drives for carriage and stripping. The stripping angle of 90° is automatically adjusted.

Technical Data

Mean forward speed	10 mm / min.
Control of forward speed	± 2 mm
Peeling speed	10 mm / min
Sample width	max. 50 mm
Min. clamping length	ca. 70 mm
Peeling travel	max. 300 mm
Measuring range	50 – 2500 N
Peeling angle	90° (automatically controlled)
Min. tube diameter	100 mm / 50 mm with extension for small pipes (optional order number 40-087)
Max. tube diameter	free, up to plane surface



Dimensions and connection

Dimensions (WxDxH)	peeling unit: approx. 350 x 360 x 280 mm control unit: approx. 550 x 600 x 200 mm
Weight	peeling unit: approx. 16 kg control unit: approx. 32.6 kg
Mains	230 V / 50 – 60 Hz or 110 V / 50 – 60 Hz
Power	1000 W
Interfaces	USB
Air	n.a.
Cooling	n.a.
Others	n.a.

Device configuration

Incl.	Item no.	Description
1	40-070-002	MTT control unit (compatible with MTT 1500/2000/2500 peeling units)
-	40-070-005	MTT 2500 peeling unit

Accessories

Incl.	Item no.	Description
-	Battery MTT	Battery power pack
-	40-087-001	Preparation to support small pipes as option for a later upgrading (Ø 50 - 100 mm)
-	40-087	MTT Support for small pipes (Ø 50 - 100 mm) (cannot be used without 40-087-001)
-	40-081-001	Clamping and guiding unit for axial tests
-	40-081-002	Clamping and guiding unit for longitudinal tests
-	40-079-001	Strip cutting equipment width 20 mm (cannot be used without 40-081-001)
-	40-078-001	Strip cutting equipment width 50 mm (cannot be used without 40-081-001)
-	40-072	Double saw, 20 mm width with 2 saw blades
-	40-074	Double saw, 50 mm width with 2 saw blades
1	9-900-015	Universal clamping device for all standard coatings
1	9-900-101	Connecting cable from control unit to peeling unit, Cable length 6 m
-	9-900-086	Connecting cable from control unit to peeling unit, Cable length 15 m
1	40-085-001	Thermopaper coated (for thermoprinter), 5 rolls per package
1	40-070-101	Aluminium box
-	8-888-177	Wooden box for sea freight/air freight; 132 x 92 x 99 cm; 80 kg