

## BOND STRENGTH TESTER - AMC 16 resp. AMC 10

**Bond Strength Tester Roklan for determination of the surface tensile strength, tensile adhesive strength and pull-off strength of:**

- concrete • screed • mortar • adhesives • plaster • coatings • parquet flooring
- thermal insulation composite systems (with special accessories)

Both apparatus work automatically with accuracy  $\pm 1\%$  (above 4% from full scale).

The device comes with a Lenovo tablet or a more robust Caterpillar T20 (type CAT) tablet with touch screen.

### Technical Data:

Types device	AMC 16 resp. AMC 10	AMC 16 CAT resp. AMC 10 CAT
Tensile force	16 kN resp. 10 kN	
Accuracy	$\pm 1,0\%$ from measured value	
Resolution	$\pm 1,0$ N	
Measuring and control unit	The instrument is equipped with built-in measuring electronics with regulator ensuring linear increase of load force. This measuring electronics transmits the measured data wirelessly to the display unit via the built-in Bluetooth module.	
Software	With a memory of 1,000 measured tests (date, time, test number, max. tearing force, average and maximum increase in load force, graphical course of tear tests), possibility to export data in a format for further processing, eg by MS EXCEL	
Weight	4,8 kg	
Dimensions	200 x 85 mm	
Operating temperature	$0^{\circ}\text{C}$ až $50^{\circ}\text{C}$	
Storage temperature	$-20^{\circ}\text{C}$ až $60^{\circ}\text{C}$	
Power supply	Integrated accumulator, capacity for approx. 100 tests	

All test programs are stored on the tablet PC and are transferred to the bond strength tester via Bluetooth.

- ❖ Data storage on the tablet PC is effected vice versa.
- ❖ Measuring values are indicated both on the bond strength tester and on the tablet.

### Scope of Supply:

- ❖ Loading unit with a strain gauge force transducer and with built-in measuring and control unit, which controls a linear increase of the load force, as well as with a keyboard on the load part for controlling devices with pre-set test parameters, with LED illumination the test area and the OLED display on top of the motor housing
- ❖ Display unit - touch screen tablet with a memory of at least 100 different standards or test procedures and with a memory of 1,000 measured tests (date, time, test number, max. tearing force or tension, average and maximum increase of load force, graphic course of tear test)
- ❖ 1 piece duralumin or steel (stainless) round target with diameter 50mm - height according to customer's request, including quick-release plug
- ❖ Operating manual
- ❖ Calibration certificate (valid throughout the EU)
- ❖ FLASH memory for data transfer to PC
- ❖ Transport case

### An overview of some standards that the device meets:

DIN 1048-2 • ZTV-ING (2003) • EN 1015-12 • EN 1348 • EN 1542 (1999) • EN 12618-2 (2004) EN 13892-8 (2003) • DIN EN ISO 4624 • ETAG 004

