

# Automatic motorized Pull-off Bond strength tester



This apparatus is mainly used to evaluate the bond strength of two layers of concrete /mortar or the adhesive strength of surface coatings on its support (e.g. cement plaster, lime, wall plaster, etc.).

The Automatic motorized Pull-off benefits from a high resolution load cell with a built-in motorized hydraulic actuator that is automatically controlled by the advanced electronics and closed loop algorithms.

The 16 kN loading capacity, high resolution load cell and the stable electronics makes it an ideal solution for evaluating the bond strength of a vast number of materials and applications.

This light and ultra-compact instrument is particularly suitable for laboratory use and for uneasy on-site applications such as large walls and ceilings.

It is supplied complete with aluminium test discs 20 and 50 mm diameter, screw bolt, traceable calibration certificate and carrying case.

## Benefits

Ultra-compact and portable equipment ideal for use in and off site

Motorized in-built hydraulic actuator

High resolution graphic display 128x80 pixels and 5 keys membrane keyboard

PID closed-loop control of the load rate

Graphic display of actual load, load rate, peak value, strength

Battery operated: internal rechargeable LiPo type battery 7.4 V, 2200 mAh.

Dial indicator of ram position allowing a quick estimation of the brittle properties of the test sample

Supplied complete with traceable calibration certificate

Wide range of accessories, such as adhesive compound, plates with various shape and dimensions, drill bits are also available.

# Specifications

## Dimensions and Weight

- **Max. load capacity:** 16 kN
- **Load measurement with high accuracy strain gauge load cell**
- **Effective resolution:** +/- 262000 divisions, corresponding to 0.0001 kN
- **Working range:** 0.16 kN to 16 kN
- **Accuracy:** Class 1 starting from 1% of the full scale
- **High resolution graphic display:** 128x80 pixels and 5 keys membrane keyboard
- **Battery operated:** internal rechargeable LiPo type battery 7.4 V, 2200 mAh. External power adaptor 110-230 V, 50-60 Hz, 1 ph.
- **Serial port** RS232 for PC
- **Graphic display** of actual load, load rate, peak value, strength
- **PID closed-loop control** of the load rate
- **Tester dimensions (lxdxh):** 220x150x240 mm approx.
- **Over all dimensions:** 340x240x250 mm approx.
- **Weight (tester only):** 4 kg
- **Overall weight:** 5.7 kg



Automatic motorized Pull-Off with metal disk

Detail of the main panel

## Ordering information

### 58-C0215/AUTO

- Automatic motorized Pull-Off / Bond strength tester.
- 16 kN cap.
- Battery operated.
- Complete with AC adapter
- 110-240V, 50-60 Hz, 1F

## Accessories

### Bits and die

#### 58-C0215/1

Drill bit with centering point to obtain 50 mm dia. test surface

#### 58-C0215/2

Drill bit with centering point to obtain 20 mm dia. test surface

#### 58-C0215/12

Metal ring (dinking die), 50 mm int. dia, 25 mm high, for fresh plaster, to EN 1015-12.

### Test discs and plate

#### 58-C0215/4

Aluminium square plate 50 mm x 50 mm to EN 1348

#### 58-C0215/5

Aluminium test disc 50 mm dia. x 20 mm thick

#### 58-C0215/8

Aluminium test disc 20 mm dia. x 20 mm thick

#### 58-C0215/3

Stainless steel test disc 50 mm dia. x 20 mm thick to EN 1015-12

### Adhesive

#### 58-C0215/13

Adhesive, bicomponent: 2x15 ml binder and 2x15 ml hardener (4 vials)

### Serial cable

#### 58-C0215/T2

Serial cable for PC connection. Requires a PC with RS232 serial port or RS232/ USB adaptor (see our model 82-Q0800/3)

## Contact Us

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