



IF IT'S WORTH BUILDING, IT'S WORTH TESTING

This wishlist was generated on 19/07/2017, and contains the following Products:

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430-020

**Digital pH/Temp/mV Meter with electrode, carrying case and pH 4 & 7 buffers**

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35-2310

**Automated Pull-Off Adhesion Tester**

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38-2015/01

**Automatic Vicat Apparatus**

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## Digital pH/Temp/mV Meter with electrode, carrying case and pH 4 & 7 buffers

Code: 430-020

Product Group: Paqualab Test Meters

Robust waterproof case offering IP66/67 protection

Manual/automatic temperature compensation

Easy to use re-calibration function

The 430-020 pH meter is a three-in-one instrument that features a large easy to read, LCD display that indicates pH over the range of -2 to 16 pH with a resolution of 0.01 pH, mV over the range of -1000 to 1000 mV and temperature over the range of -39.9 to 149.9°C with a resolution of 0.1°C. The LCD display features both low battery indication and a user selectable backlight.

The pH readings are either manually or automatically temperature compensated over the range of 0 to 100°C. To automatically compensate, it is necessary to utilise a thermistor temperature probe. Each unit incorporates an auto-power off facility that automatically turns the instrument off after ten minutes, maximising battery life.

The 430-020 has an integrated rubber seal to ensure complete water resistance and helps to reduce the possibility of damage in harsh environments. At the touch of a button, the instrument will automatically re-calibrate (two-point autocal) itself when used in conjunction with pH buffer solutions.

Each unit incorporates an easy to use BNC connector and Lumberg screw-locking type connector.

## Further Information

### Specification

Range	Resolution	Accuracy
-2 to 16 pH	0.01 pH	± 0.02 pH
± 1000 mV	1 mV	± 1 mV
-39.9 to 149.9 °C	0.1 °C	± 0.4 °C (-10 to 70 °C)
Battery	3 x 1.5 volt AAA	
Battery Life	Maximum 5 years (2500 hours)	
Sensor Type	Combination electrode/ thermistor	
Display	12 mm LCD	
Dimensions	32 x 71 x 141mm	

# Product Sheet

www.ele.com  
+44 (0) 01525 249 200



Weight 230 grams

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## Spares/Consumables



**Spare pH electrode for use with 430-020 meter**

Code: [430-020/10](#)



## Automated Pull-Off Adhesion Tester

Code: [35-2310](#)

Product Group: [Pull-off testing](#)

The quality of concrete repairs is determined by the adhesive strength between the repair material and the substrate. Pull-off testing is the most widely used test method to assess bond strength.

Maximum pulling force of 16 kN (3597 lbf)

Mid-range instrument suitable for most pull-off testing applications.

Calibration accuracy EN ISO 7500-1 Class 1.

Comprehensive range of test discs plus adjustable foot configuration to cover a wide range of applications.

Simple programming of key parameters and fully automated test.

Applications for the 35-2310 pull-off tester include: adhesive strength of mortars and renders, adhesive strength of asphalt, adhesive strength of tiles, bond strength of coatings and overlays, bond strength of repair and materials such as FRP, tensile strength in concrete renovation.

## Standards

EN 1542, EN 1015-12, EN 1348, ASTM D 4541

## Specification

Working range	0.81 to 8.1 MPa (118 to 1182 psi)
Tensile force (50 mm test disc)	1.6 to 16 kN (60 to 3597 lbf)
Maximum stroke	5 mm
Maximum pulling speed	4.65 mm/min (0.183 inch/min)
Memory	100 measurements
Connections	USB to PC and for charging
Calibration accuracy	EN ISO 7500-1 Class 1 ( $\pm 1$ % from 20 % of maximum force)
Battery capacity	1500 mAh, 3.7V (min. 80 measurements)
Weight	4.5 kg

## Accessories



## Adaptor plate for large test discs

Code: [35-2310/18](#)



## Fixing kit for vertical and overhead surfaces

Code: [35-2310/20](#)



## Test disc aluminium 100x100mm/M10, set of 3

Code: [35-2310/16](#)



## Test disc aluminium 40x40mm/M10, set of 10

Code: [35-2310/14](#)



## Test disc aluminium 50x50mm/M10, set of 10

Code: [35-2310/13](#)



## Test disc aluminium Ø 100mm/M10, set of 3

Code: [35-2310/15](#)



## Test disc aluminium Ø 20mm/M10, set of 10

Code: [35-2310/12](#)



## Test disc aluminium Ø 50mm/M10, set of 10

Code: [35-2310/11](#)



## Test disc aluminium Ø 75mm/M10, set of 5

Code: [35-2310/17](#)



## Test disc steel Ø 50mm/M10, set of 10

Code: [35-2310/10](#)

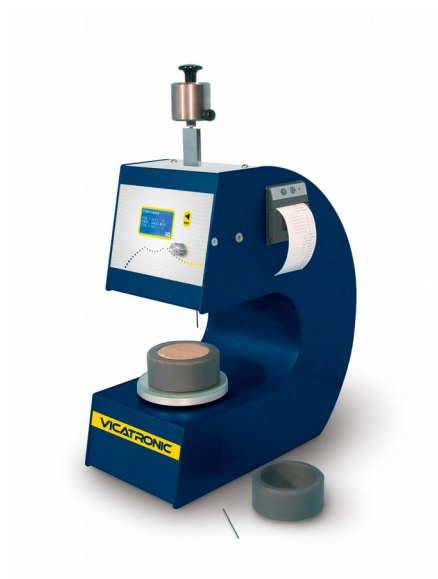
## Spares/Consumables



## Battery pack complete

Code: [35-2310/19](#)





## Automatic Vicat Apparatus

Code: [38-2015/01](#)

Product Group: [Automatic Vicat](#)

Complete with EN and ASTM Initial and Final needles, Consistency Plunger, Windows(R) software and RS232 cable, 1 x EN and ASTM Mould and Glass Plate. Suitable for continuous use in saturated humidity, at a controlled temperature of  $20^{\circ}\text{C} \pm 1^{\circ}\text{C}$ .

## Standards

ASTM C187, ASTM C191

## Further Information

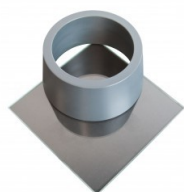
**\*\*NOT AVAILABLE FOR SALE IN THE USA\*\***

For 220 - 240 V AC, 50 - 60 Hz, 1 ph.

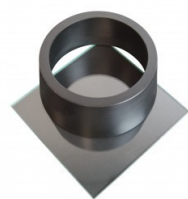
## Accessories

### ASTM Vicat Mould

Code: [38-2660](#)







## EN Vicat Mould

Code: [38-2300](#)



## Mould Tank

Code: [38-2015/15](#)



## Needle Cleaning Device

Code: [38-2015/12](#)



## Printer Paper Rolls

Code: [38-2015/14](#)



## Vicat Mould

Code: [38-2200](#)

## Spares/Consumables



### ASTM Initial and Final Set Needle

Code: [38-2023](#)



### Consistency Plunger

Code: [38-2015/16](#)



### EN Initial and Final Set Needle

Code: [38-2021](#)