



# HUMBOLDT

## Pull-Off Testers for Bond and Anchors



HC-2988



HC-2957



HC-2958



HC-2989



HC-2957D

### Bond Test Kit with 15 and 25kN Gauges,— HC-2988

The bonding strengths of a wide and varied range of materials including concrete, screeds, repair mortars, epoxy resin coatings, laminates, plastics, paints and enamels may be accurately determined using this Bond Tester. Adequate direct tensile strength or bonding strength between two layers is important if repairs to concrete structures or additional overlays and screeding on existing concrete is to be structurally sound. The pull-off test as a means of projecting the compressive strength of concrete and other materials involves bonding a circular steel disk to the surface by means of an epoxy resin adhesive. A controlled tensile force is then applied to the disk, and as the strength of the bond is greater than that of the material under stress it will eventually fail in tension. From the area of the disk and the force applied at failure it is possible to calculate a nominal tensile strength for the material. The standard kit includes: 50mm of stroke; 15kN and 25kN gauges; 10 x 50 mm steel bond discs; 10 x 75 mm steel bond discs and a calibration certificate

### Bond Tester with Digital Gauge (Wireless App)— HC-2989

This Bond Test Kit features a wireless, mobile App and digital gauge. Revolutionary digital technology captures test results using a mobile phone or tablet device, allowing for instant visual graphs on-site for bond testing, including anchors and

eye-bolts. Test results are produced in real-time visual graphs for each test.

This medium-duty Bond Tester enables engineers to confirm the holding power of anchors in most construction materials, either for the purpose of establishing safe working loads or to validate the correct installation of existing fixings. The tensile load of up to 25kN is applied to the fixing mechanically and hydraulics are used to register the load through an accurate analog gauge, making the tester very reliable. (Requires WiFi or Mobile Network Signal) Compatible with Android or Apple-based devices such as smartphone/Tablet. Android system 4.4 onwards or Apple iOS 7 and above is required. Data enabled SIM with email function required for dispatching reports.

The Bond Test Kit comes with a digital gauge that covers a range from 0 to 25kN.

### Anchor Test Kit with 15 and 25kN Gauges— HC-2957

The Anchor Test Kit is designed for testing fixings, fasteners and anchors. It consists of a mechanical screw arrangement acting through a hydraulic load cell, which measures the load applied to the fixing directly. The resulting load value is then indicated on the dial type analog gauge. This Kit features two gauges, 15 and 25kN, to suit most applications. (Other gauges are available); threaded rods, studs and slotted button adapt-

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ers in 1/4", 3/8" and 7/8" sizes and a calibration certificate.

## **Anchor Test Kit with Digital Gauge (Wireless App)— HC-2975D**

The Anchor Test Kit is designed for testing fixings, fasteners and anchors. It consists of a mechanical screw arrangement acting through a hydraulic load cell, which measures the load applied to the fixing directly. The resulting load value is then indicated on the dial type analog gauge. This Kit features a digital gauge, to suit most applications; threaded rods, studs and slotted button adapters in 1/4", 3/8" and 7/8" sizes and a calibration certificate

## **Wireless App and Digital Gauge for Testers— HC-2958**

Revolutionary digital technology captures test results using a mobile phone or tablet device, allowing for instant visual graphs on-site for bond testing, including anchors & eyebolts. Test results are produced in real time visual graphs for each test. Can be used with most current bond testers from most manufacturers. (Requires WiFi or Mobile Network Signal) Compatible with Android or Apple-based devices such as smartphone/Tablet. Android system 4.4 onwards or Apple iOS 7 and above is required. Data enabled SIM with email function required for dispatching reports. **Note: Does not include bond tester or mobile device**

### **Bond and Anchor Test Accessories**

<b>Item</b>	<b>Part No.</b>
50mm Hexagon Extension Legs	HC-2988.1
75mm Hexagon Extension Legs	HC-2988.2
100mm Hexagon Extension Legs	HC-2988.3
5kN Gauge	HC-2988.4
10kN Gauge	HC-2988.5
20kN Gauge	HC-2988.6

**Special size adaptors available, please enquire.**



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