

# Hydrajaws

## Rechargeable Digital Gauge



Using the FREE Hydrajaws Verify Pro app ensures  
that you can prove your pull testing results —

See inside for more details

## i. HYDRAJAWS VERIFY

**Hydrajaws Verify** is our digital reporting system which allows on site pull tests to be automatically recorded and compiled into a digital report using our **free Hydrajaws Verify Pro App** on a mobile phone or tablet.



**Digitally record all test results and store them safely in the cloud;  
review data and generate reports**

### Report from on site

Job details can be set up before going on-site and used again and again to save valuable work time. When on-site a digital report is generated showing all the test data including a pass or fail result, a visual results graph, fixing details, site location co-ordinates, date and time. In addition, any notes and photos taken can be included within the report too. The report is easily emailed directly to your customer or securely stored for future retrieval.

### Prove your test results

The app captures and records the digital report using an Evident Proof platform and saves it directly to the cloud. The Evident Proof platform ensures that when the real time data is collected it gets a 'proof seal' onto an unchangeable and un-hackable blockchain. This system mitigates the risk of someone tampering with the results by providing a fully auditable and transparent data provenance trail that is admissible in a court of law.

## PRO or TEAMS: Which one is right for me?



The Verify PRO app is fully featured and free to use with no subscription required. Ideal for single users.



Upgrading to TEAMS allows an administrator to manage your testing by creating and editing clients, sites and tasks centrally, and assign remotely to your team of field testers.

Annual subscription fee applies. Up to 3 users £300 then £125 per additional user up to 10 users. Above 10 users POA.

---

## ii. SET UP A HYDRAJAWS VERIFY ACCOUNT

1. Open a web browser and go to the Hydrajaws portal: **dashboard.hydrjaws.co.uk**



2. Select **Sign up now**.

In the following page, enter your details in the form and click **Send Verification Code**.

This will send a one time code to your email address.

3. Enter the code into the corresponding field.
4. Important: Go to **Manage Licenses** and click on the **Edit** button next to your name and then tick the box for **App Access required**.  
Ensure you add all your users at this stage.

---

## iii. DOWNLOAD THE VERIFY APP AND SIGN IN

1. Please use the link below and download the app to your Android or Apple mobile device:



Download the **FREE** Hydrajaws Verify App  
or visit: **hydrjaws.co.uk/verify**

2. Open the app and sign in using your user-name and password.

**NOTE:** Depending on your device, you may be asked to accept certain permissions for the app to function correctly. More information available in the Verify App manual.

---

## iv. CONNECTING THE GAUGE TO THE VERIFY APP

1. Turn on the gauge and activate Bluetooth as shown in section 2.4 on page 8.
2. Ensure the gauge is displaying a flashing Bluetooth icon.
3. From the app home page press the **Connect** icon or go to the **Devices** page.
4. If the gauge is in the list shown then select its menu and press connect. If the gauge name is not in the list then press **Connect Device** and look for the gauge name in the list of found devices.

**NOTE:** The gauge will not show up in this list if it is already listed in the Devices screen.

5. When selected, the app will connect with the gauge. At the top right the battery indicator will then display a percentage of charge remaining.

You are now ready to start using the Hydrajaws VERIFY Digital Reporting System.



Please read the full  
Hydrajaws Verify App Instruction  
Manual available on our website:

**www.hydrjaws.co.uk/  
verify-manual**

# Hydrajaws Rechargeable Digital Gauge

The **Hydrajaws rechargeable digital gauge** provides many advantages over the standard analogue gauge including more **accurate** and **clearer results**.

---

## CONTENTS

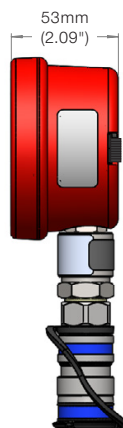
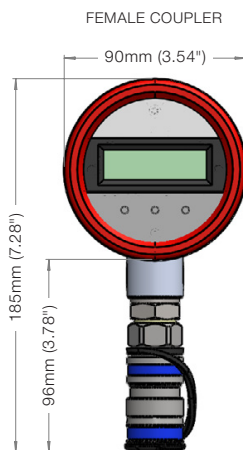
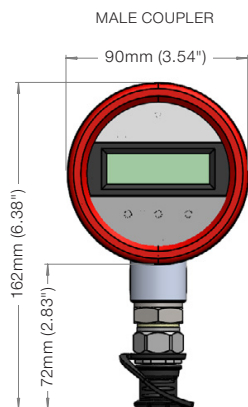
- i. Hydrajaws Verify ..... **2**
- ii. Create a Hydrajaws Verify account..... **3**
- iii. Download the Verify App and Sign in ..... **3**
- vi. Connecting the Gauge to the Verify App ..... **3**
  - Gauge Calibration ..... **4**
  - Digital Gauge Overview ..... **5**
- 1. Operating Instructions ..... **6**
  - 1.1. Attaching Gauge to Tester ..... **6**
  - 1.2. Lock the gauge securely ..... **6**
- 2. Operating the Digital Gauge ..... **7**
  - 2.1. Activating the back light..... **7**
  - 2.2. To switch from kN to lbf ..... **8**
  - 2.3. Zeroing the gauge ..... **8**
  - 2.4. Activating Bluetooth..... **8**
  - 2.5. Battery indicator ..... **8**
  - 2.6. Charging the battery ..... **9**
  - 2.7. Removing and refitting the battery ..... **9**
- 3. Gauge & Pull-Tester Compatibility Matrix ..... **10**
- A. Rechargeable Battery Information..... **11**

---

## GAUGE CALIBRATION

The Hydrajaws Digital Gauge is factory calibrated for 12 months. For calibrations contact your local **Service Agent** or call us on **+44 1675 430370** or visit: **[www.hydrajaws.co.uk/calibration](http://www.hydrajaws.co.uk/calibration)**

# HYDRAJAWS RECHARGEABLE DIGITAL GAUGE



- Weight: 0.42kg (0.93lbs)
- Accuracy:  $\pm 1.5\%$  Full Scale
- Operating temperature range:  $-10^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$  ( $14^{\circ}\text{F}$  to  $122^{\circ}\text{F}$ )
- IP Rating: IP54 \*
- Enclosure material: Glass reinforced Nylon
- Protective boot: Standard
- Backlight: Standard; Green
- Digit height: 8.5mm (0.34")
- Configurable units: kN, lbf
- Operating voltage: 9V
- Battery type: Rechargeable \*\*
- Charging cable: Micro USB, 2m
- Maximum input pressure: 1000 bar

\* BS EN 60529: 1992 + A2: 2013: Degrees of Protection Provided by Enclosures

\*\* Battery model: EBL TB9500, PP3

---

## 1. OPERATING INSTRUCTIONS

### 1.1 ATTACHING GAUGE TO TESTER

1. Remove dust cap from gauge coupler.
2. Remove dust cap from tester coupler.
3. Pull back ring on tester coupler and insert gauge coupler.

Release ring to complete coupling.



---

### 1.2 LOCK THE GAUGE SECURELY

Once the gauge is attached, **LOCK IT** securely in place by:

1. Pushing the 'Locking collar' up.
2. Twist it fully clockwise.
3. Then release.

To **UNLOCK**:

1. Push the 'Locking collar' up.
2. Twist it fully anti-clockwise.
3. And release.



## 2. OPERATING THE DIGITAL GAUGE

### TO OPERATE GAUGE IN 'NORMAL RISE AND FALL' MODE

Press button  to switch gauge on to 'Normal rise and fall mode'.

This will give a load reading, rising as the operating handle on the tester is turned clockwise. By turning the handle anti-clockwise the load will decrease and show the reading decreasing.

Press  to switch off gauge when finished.

### TO OPERATE GAUGE IN 'PEAK HOLD' MODE

1. Press button  to switch gauge on.

2. Press  to activate 'Peak Hold' mode.

This will be indicated by an arrow on screen.

Gauge is now in peak hold mode and will display the maximum load achieved and retain this even when the load has decreased.

To turn 'Peak Hold' mode on and off use the  button.



**Note:** When first turned on, a bluetooth symbol will flash in the right corner of the screen. This is used when connecting to the Hydr jaws Verify App and will stop flashing after 60 seconds.



### 2.1 ACTIVATING THE BACK LIGHT

Press and HOLD the  button to switch the back light on and off.

To preserve battery life it is recommended the backlight is used only when needed and is switched off when the gauge is not in use.



---

## 2.2 TO SWITCH FROM kN TO lbf

Press **B** button to switch between:

**kN** (Kilo-newton) and **lbf** (Pound-force).



---

## 2.3 ZEROING THE GAUGE

If the gauge is reading a small amount (0.3 for example) when no load is applied – use the following instructions to re-set the display to zero.

First release any pressure held in the Hydraulic Coupler by pushing in the pin at the base of the coupler.

Press and HOLD the **A** button to zero the gauge.



**CAUTION: DO NOT ZERO THE GAUGE WHEN IT IS UNDER LOAD**

---

## 2.4 ACTIVATING BLUETOOTH (To connect to Hydrajaws Verify App)

Press the **Power** button to turn on the gauge. The bluetooth will start – indicated by a flashing bluetooth symbol. This will remain open for connection for 60 seconds.

When connected to a mobile device, the Bluetooth symbol will stop flashing and remain on. See separate Hydrajaws Verify app instructions on how to connect a gauge to the app.

---

## 2.5 BATTERY INDICATOR

Indicates in the charge of the battery as a percentage.





## 2.6 CHARGING THE BATTERY

To charge the battery, remove the port cover at the side of the gauge and insert a MicroUSB lead into the recharging port.



A discharged battery takes approximately 2 hours to fully charge with a 5V 1000 mA rated USB charger.

Always use the Micro USB port and cable method to charge the battery – Do not use a separate lithium battery charging unit.



The LED is **Red** when the battery is charging.



And is **Blue** when the battery is fully charged.



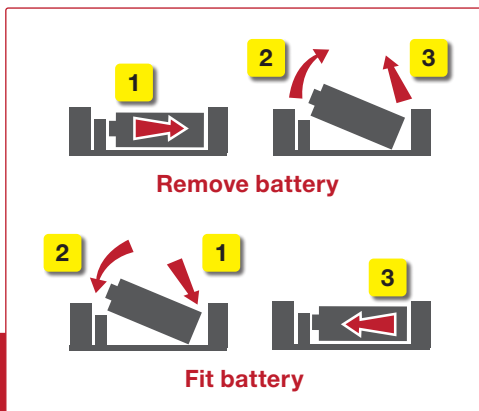
**Rechargeable Battery information:**  
See notes on page 11

## 2.7 REMOVING AND REFITTING THE BATTERY (if recharging is not possible)

If the rechargeable battery is discharged, and charging is not available – then a standard alkaline 6LR 61 / PP3 9V battery may be temporarily used.

Remove the cover on the back of the gauge using the thumbscrew.

Replace and fit as shown here.



**To prevent damage to the contacts,**  
follow the numbered steps as shown

### 3. GAUGE AND PULL-TESTER COMPATIBILITY MATRIX

Digital Gauge with Hydraulic Coupler				M2000	M2050	M2008	M0095	M0097	Wall Tie Tester	Hydraulic Assembly
Part #	kN	lbf	Coupler							
050-079	0-10	0-2248	Male						■	
050-080	0-25	0-5620	Male	■			■	■		
050-081	0-30	0-6744	Male					■		
050-082	0-40	0-8992	Male					■		
050-083	0-50	0-11240	Female		■					
050-084	0-145	0-32597	Male			■				
050-085	0-180	0-40466	Male							■
050-086	0-370	0-83179	Male							■
050-087	0-500	0-112404	Male							■

---

## Appendix

### RECHARGEABLE BATTERY INFORMATION

EBL TB9500 USB 9V 5400mWh (600mAh) long-lasting Li-ion rechargeable battery.

Operating temperature range: Charge: 10°C to +45°C. Discharge: -10°C to +50°C.

Quick charge in 2 hours: Advanced iQuick charging technology with DC 5V/1A MicroUSB input.

No memory effects, chargeable anytime whether fully or partially discharged.

Safety – supports over-charge, over-discharged, over-voltage, over-current and short circuit protection.

#### Suggestions

New batteries achieve best performance after 3-5 cycles of charging and discharging.\*

Rechargeable batteries should be charged before using.\*

When using a new battery for the first time or after long-term storage, please charge the battery completely before using.

Use a Micro USB cable to charge the battery.

Store batteries in a cool, and dry place.

Hold the connector itself when disconnecting the battery, rather than pulling the cable.

If the battery gets hot after using, it should be cooled down in a well-ventilated place out of direct sunlight before charging.

During long term storage, battery should be charged and discharged once every 3 months.

Keep away from children. If swallowed, please contact a doctor immediately.

All rechargeable batteries should be recycled.

If the battery fails, do not throw away, please recycle or dispose of any electric or electronic components in accordance with local regulations.

#### Warnings

\* Always use the Micro USB port and cable to charge the battery – Do not insert the battery into a lithium battery charging unit.

Please check if the battery is damaged, bulging or leaking before use. If so, please do not use.

Do not reverse charge batteries.

Do not short-circuit the battery, which may result in permanent damage.

Do not incinerate or destroy the battery, which may burst or release toxic substances.

Do not solder directly on the battery.

Do not subject the battery to adverse conditions such as extreme temperatures.

When a battery gets hot, do not touch it and handle it until it cools down.

If the battery produces noise, high temperature or leakage, please do not use.

Do not remove the outer sleeve from the battery pack and do not cut into its housing.

Never put the battery into water or seawater.

Do not attempt to disassemble the battery or subject it to pressure or shock. There may be a risk of fire.

**FOR MORE INFORMATION ON  
HYDRAJAWS AND A FULL RANGE  
OF TESTING APPLICATIONS  
PLEASE VISIT OUR WEBSITE AT:**

**[WWW.HYDRAJAWS.CO.UK](http://WWW.HYDRAJAWS.CO.UK)**



**73 Kettlebrook Road  
Tamworth  
United Kingdom  
B77 1AG**

**Tel: +44 (0)1675 430 370  
email: [tester@hydrajaws.co.uk](mailto:tester@hydrajaws.co.uk)  
[www.hydrajaws.co.uk](http://www.hydrajaws.co.uk)**

