Product Information

DHM 4 Series - Digital Hydraulic Tester with NEW Bluetooth™ Technology

Features
- PRODUCE a test certificate of the test data and immediately email to the customer
- FLOW 400 lpm and 800 lpm
- PRESSURE 420 bar and 480 bar
- ACCURATE: measurements and FAST response bar graphs to aid diagnosis
- BUILT-IN loading valve
- BI-DIRECTIONAL operation
- INTERNAL oil by-pass protects the meter and system against overpressure
- AUTOMATIC calculation of hydraulic power and volumetric efficiency
- RECORD data to robust, non-volatile memory
- PORTABLE, robust and sealed to IP54

Free app available from:

Specifications

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Model No.</th>
<th>Flow Range</th>
<th>Pressure Range</th>
<th>Fluid Temperature Range</th>
<th>Inlet/Outlet Ports</th>
</tr>
</thead>
<tbody>
<tr>
<td>610018002</td>
<td>DHM404-B-6</td>
<td>10 - 400 LPM</td>
<td>0 - 420 bar</td>
<td>0 - 105°C</td>
<td>1” BSP</td>
</tr>
<tr>
<td>610018006</td>
<td>DHM804-S-7-L*</td>
<td>20 - 800 LPM</td>
<td>0 - 480 bar</td>
<td>0 - 105°C</td>
<td>1-7/8&quot;-12UN #24 SAE ORB</td>
</tr>
</tbody>
</table>

* DHM804 has limited pressure control below 86 lpm (23 US gpm). The maximum controllable pressure in this region is calculated by: max pressure (in bar) = 5 x flow (lpm) + 30

Replacing models DHM403 and DHM 803

Functional Specification

Ambient temperature: 5 to 40°C (41-104°F)
Fluid type: Hydraulic oil
Accuracy:
- Flow: ± 1% of indicated reading (15 to 100% of range)
- Pressure: ± 0.5% full scale
- Temperature: ± 1°C (± 2°F)
- Power: Below 100KW (134HP) ± 3KW (± 4HP)
- Above 100KW (134HP) ± 5KW (± 6.7HP)
- Volumetric efficiency: ± 1%

Data Recording:
- up to 12 sets of data points can be saved to internal memory

Battery Life:
- approximately 15 hours continuous with high capacity Alkaline unit

IP45 Internal Protection of electrical circuits.

Dimensions in mm (inches)

DHM404
- 240 (9.45") wide, 200 (7.87") deep, 200 (7.87") high
- Unpacked 6.5Kg (14lbs)

DHM804
- 245 (9.65") wide, 225 (8.86") deep, 225 (8.86") high
- Unpacked 10Kg (22lbs)

Construction materials

- Case: Powder coat painted mild steel
- Flow block: High tensile aluminium
- Seals: Viton as standard - EP seals on request

iOS App™

Application programs are only available for phones or tablets running iOS operating systems.
Handheld devices must support Bluetooth™ Smart (v4.0) or greater.
NB. App™ programs have been optimised around the Apple iPhone® 5.

Operation

The DHM404 and DHM804 has four screens that can be toggled by a panel button to display:

1. Digital flow, flow, peak pressure and temperature. Update time of 0.7 seconds.
2. Digital flow, flow, peak pressure and temperature plus rapid bar graphs. Update times of digital = 0.7 seconds, bar graphs = 0.07 seconds.
3. On screens 1 & 2 pressing the P-Q/HP button toggles the bottom line display between temperature and power.
4. Recorded data review of all logged points. Records can be deleted from here.

Calibration

All testers are calibrated with 21cSt oil as standard. Calibration certificates are available on request - this is a chargeable option.

Installation

It is recommended to connect the flow block with flexible hoses 1-2 metres (3-6ft) long. All connections should be made by suitable qualified personnel.