The OceanTools **DISTIL** and **DISTIL-V** units are a combination of the **OceanDISP** display and **OceanTILT** inclinometer.

The **DISTIL-M** is a smaller version of the **DISTIL** for applications where space is at a premium.

---

**Overview**

The **DISTIL** and **DISTIL-M** are primarily intended for attitude measurement and output *pitch* and *roll*. The *pitch* and *roll* data is scrolled horizontally on the high visibility LED matrix display.

The **DISTIL-V** is primarily intended for verticality measurement and outputs *angle* and *quadrant*. The *angle* and *quadrant* data is scrolled vertically.

Applications include:

- Subsea structure attitude measurement
- Verticality of casing, conductors and caissons
Related Products

DISTIL and DISTIL-M may be supplied with OceanCELL battery packs, C-Switch subsea switches and/or MetroSTAB metrology stabs all housed in a rugged deployment frame with an ROV handle for ease of recovery.

DISTIL-V is an integral part of the VMS verticality measurement package.
# Specifications

<table>
<thead>
<tr>
<th></th>
<th>DISTIL</th>
<th>DISTIL-V</th>
<th>DISTIL-M</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Standard output</strong></td>
<td>Pitch and Roll</td>
<td>Angle and Quadrant</td>
<td>Pitch and Roll</td>
</tr>
<tr>
<td><strong>Orientation</strong></td>
<td>Horizontal</td>
<td>Vertical</td>
<td>Horizontal</td>
</tr>
<tr>
<td><strong>LED colour</strong></td>
<td>Red or Green</td>
<td>Red or Green</td>
<td>Red or Green</td>
</tr>
<tr>
<td><strong>Depth rating</strong></td>
<td>1000m or 3000m</td>
<td>1000m or 3000m</td>
<td>1000m or 3000m</td>
</tr>
<tr>
<td><strong>Angular measurement range</strong></td>
<td>±180°</td>
<td>±90°</td>
<td>±180°</td>
</tr>
<tr>
<td><strong>Angular measurement accuracy 0°±10</strong></td>
<td>0.05°</td>
<td>0.05°</td>
<td>0.05°</td>
</tr>
<tr>
<td><strong>Angular measurement resolution</strong></td>
<td>0.01°</td>
<td>0.01°</td>
<td>0.01°</td>
</tr>
<tr>
<td><strong>Standard connector</strong></td>
<td>Subconn LPBH5M</td>
<td>Subconn LPBH5M</td>
<td>Subconn LPBH5M</td>
</tr>
<tr>
<td><strong>Input voltage</strong></td>
<td>10–36VDC</td>
<td>10–36VDC</td>
<td>10–36VDC</td>
</tr>
<tr>
<td>**Operational current *</td>
<td>150mA @ 24VDC</td>
<td>150mA @ 24VDC</td>
<td>75mA @ 24VDC</td>
</tr>
<tr>
<td>**Length (excl connector) **</td>
<td>435mm</td>
<td>140mm</td>
<td>315mm</td>
</tr>
<tr>
<td>**Height (excl connector) **</td>
<td>140mm</td>
<td>435mm</td>
<td>140mm</td>
</tr>
<tr>
<td>**Diameter **</td>
<td>125mm</td>
<td>125mm</td>
<td>125mm</td>
</tr>
<tr>
<td>**Weight in air **</td>
<td>7.65kg</td>
<td>7.65kg</td>
<td>5.8kg</td>
</tr>
<tr>
<td>**Weight in water **</td>
<td>2.26kg</td>
<td>2.26kg</td>
<td>2.05kg</td>
</tr>
</tbody>
</table>

* = typical value at full brightness | ** = 3000m rated version

Product datasheets, GA drawings, case studies and other supporting documents are available to download from data.oceantools.co.uk

All specifications are subject to change without notice. E&OE.