Can be installed to manage various torque tools with a small detector.

WDISR-IPS series



It works with a personal computer or PLC to manage torque measurement more highly. For managing automatic and semi-automatic tools.

- A color display that can display various information.
- Data output is standard equipment for both USB and RS232C.
- Numerical values such as pass / fail conditions can be set up to 10 channels.
- The pass / fail judgment is displayed in color for easy understanding.
- Built-in battery drive.

●Color display that can display various information.





●Data output is standard equipment for both USB and RS232C.

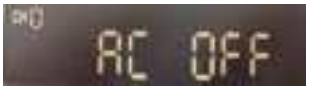



●Setting various measurement parameters









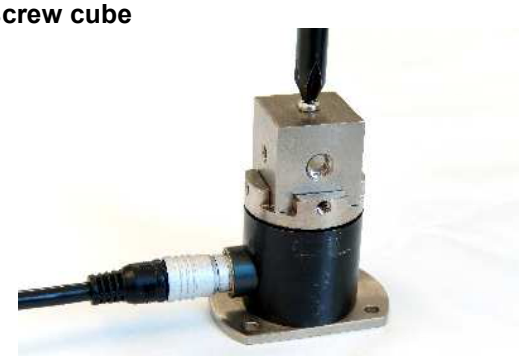

A type that can be disengaged from high speed with a clutch at once

Use OW joint



Screw tightening robot etc.
A type that slowly re-tightens with current control

Use screw cube



Works with "PC" and "PLC"

Various commands can be input from PLC or personal computer. Finer torque management is possible with external control.



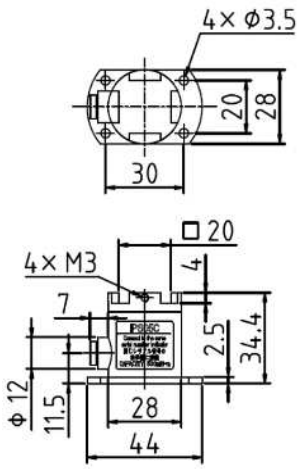
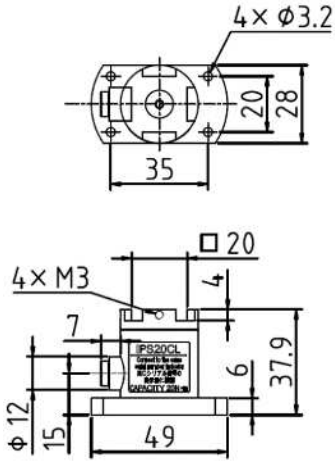
Command list

Clear signal: Clears the display and outputs the held numerical value as data and saves it in memory.
Measurement mode: Change the measurement mode.
Measurement channel: Change individual channels for which conditions such as pass / fail judgment are set.
Peak hold upper limit : Change the pass / fail judgment upper limit of the current channel.
Peak hold lower limit: Change the pass / fail judgment lower limit of the current channel.
Peak down lower limit: Change the peak down judgment start lower limit of the current channel.
Real-time output lower limit: Changed the output lower limit of real-time output.
Auto clear time: Changed the time to automatically clear after the measurement is completed.
Buzzer notification: Changed the buzzer notification method.

Specification

<table>
<tr><td>Model</td><td>WDISR-IPS05C</td><td>WDISR-IPS5C</td><td>WDISR-IPS20CL</td></tr>
<tr><td>Applications</td><td colspan="3">It is a torque measuring equipment to measure the tightening torque of tightening tools (electric screwdriver, torque screwdriver, etc.) in screw tightening work.</td></tr>
<tr><td>Power supply</td><td colspan="3">Internal battery (12 hours continuous operation time, 3 hours charging time)</td></tr>
<tr><td>Rate input voltage</td><td colspan="3">12V DC</td></tr>
<tr><td>Measurement range</td><td>2.0 ~ 500.0 [mN-m]</td><td>0.020 ~ 5.000 [N-m]</td><td>0.20 ~ 20.00 [N-m]</td></tr>
<tr><td>Measurement Unit</td><td>kgf-cm / lbf-in / mN-m / cN-m</td><td colspan="2">kgf-cm / lbf-in / N-m / cN-m</td></tr>
<tr><td>Accuracy</td><td colspan="3">±0.5% (If 499 digit or less, ±3 digit.)</td></tr>
<tr><td>Sampling rate</td><td colspan="3">1000 data / 1sec</td></tr>
<tr><td>Measurement mode</td><td colspan="3">
<table>
<tr><th colspan="2">Measurement mode</th><th>Data output</th><th>Contents</th></tr>
<tr><td>Peak hold</td><td>PP</td><td>○</td><td>Measure the peak torque.</td></tr>
<tr><td>Peak down</td><td>PD</td><td>○</td><td>Measure the firs peak torque.</td></tr>
<tr><td>Real time output</td><td>C</td><td>○</td><td>The data output cycle is approximately 180 data / 1 second.</td></tr>
<tr><td>Track</td><td>TR</td><td>—</td><td>Mainly used for calibration.</td></tr>
</table>
If the measurement mode is TR, the data isn't outputted.
</td></tr>
<tr><td>Data output</td><td colspan="3">Wired (ASCII format)</td></tr>
<tr><td>Memory size</td><td colspan="3">800 data</td></tr>
<tr><td>Auto power off</td><td colspan="3">Power off after 10 minutes of non-use</td></tr>
<tr><td rowspan="8">Accessories, Attachments</td><td colspan="3">Detector (Refer below)</td></tr>
<tr><td colspan="3">Detector cable</td></tr>
<tr><td>Joint OW-025</td><td>Joint OW-10</td><td>Joint OW-20</td></tr>
<tr><td colspan="3">Cube (H20×W20×D20)</td></tr>
<tr><td>SC-1
with the screw hole of M1, M1.2, M1.4, M2 and M3</td><td>SC-2
with the screw hole of M2.6, M3, M4, M5 and M6</td><td>SC-3
with the screw hole of M4, M5, M6, M8 and M10</td></tr>
<tr><td colspan="3">AC adaptor</td></tr>
<tr><td colspan="3">Rubber foots</td></tr>
<tr><td colspan="3">Result of calibration, Certification on calibration, Traceability system figure</td></tr>
</table>

Detector

<table>
<tr><td>Model</td><td>IPS05C / 5C</td><td>IPS20CL</td></tr>
<tr><td>Shapes
(Unit: mm)</td><td>
</td><td>
</td></tr>
<tr><td>Socket</td><td colspan="2">□20mm</td></tr>
</table>

Ordering number

The order number indicates the model of the indicator followed by the ‘model of the detector’, ‘detector cable length’, ‘Packing’, ‘destination’ and ‘AC adapter plug’.

WDISR – IPS5C – L1 – C – O – 1

Plug	
1	A plug (Japan, Taiwan, USA)
2	A plug (China)
3	C plug
4	F plug
5	G plug

Destination			
J	Japan	O	Outside Japan

Packing	
C	Cardboard
A	Plastic case

Detector cable length	
L1	1 meter
L2	2 meters
L4	4 meters

Mode of the detector
IPS05C
IPS5C
IPS20CL

model of the indicator

About the AC adapter

The certification mark differs depending on the specified plug.

Plug	certification
A plug (Japan, Taiwan, USA) A plug (China) C plug	PSE、FCC、CCC、BSMI、CE
F plug G plug	PSE、CE、UKCA、KC

Packing

The specifications of the case are shown below.

Packing	**-C**	**-A**
Specifications	**Cardboard**	**PP**
Exterior / Interior	 	 

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The contents of a catalog may change specification and a design without a preliminary announcement.