

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

WDIS-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.

Powered by direct power from the AC adapter or 4 AA batteries.

●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

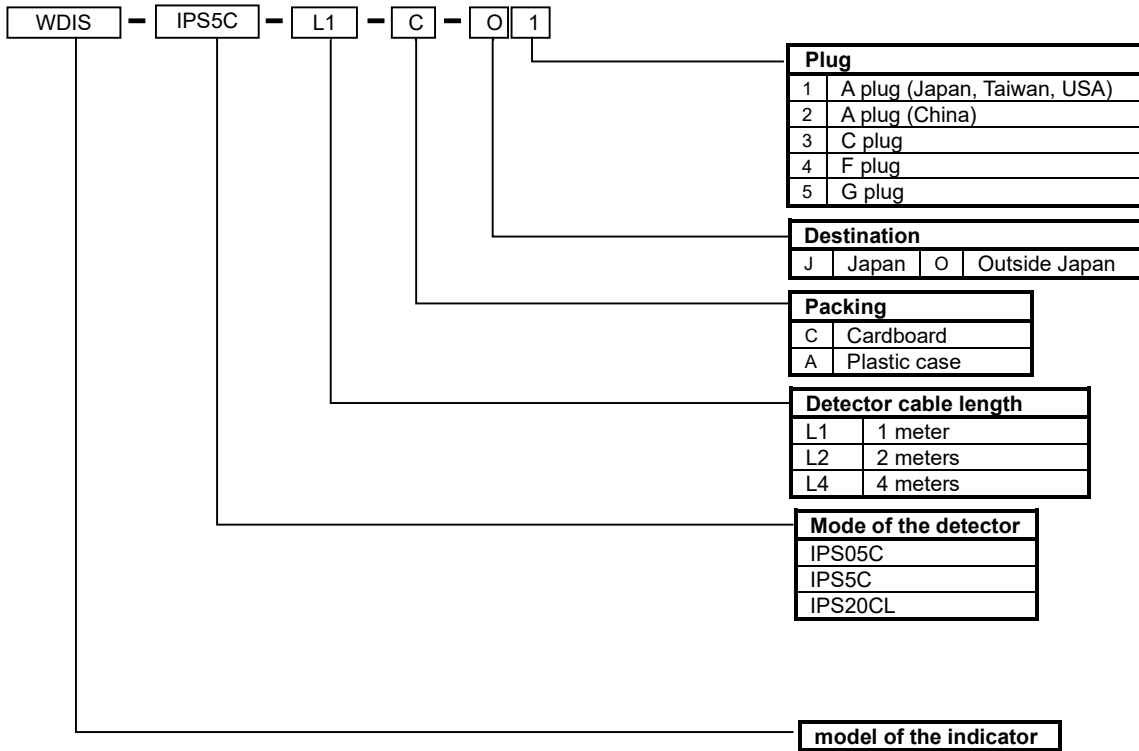
Model	WDIS-IPS05C	WDIS-IPS5C	WDIS-IPS20CL																			
Applications	It is a torque measuring equipment to measure the tightening torque of tightening tools (electric screwdriver, torque screwdriver, etc.) in screw tightening work.																					
Power supply	Powered directly from the AC adapter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

Detector

Model	IPS05C / 5C	IPS20CL
Shapes (Unit: mm)		
Socket	□20mm	

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'.



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.