Digi-Pas DWL-5500XY 2 Axis Precision Sensor Module User Guide

Digi-Pas®

DWL-5500XY 2 Axis Precision Sensor Module
User Guide

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DWL-5500XY 2 Axis Precision Sensor Module

Download manual/quick guide:

https://www.digipos.com/manual5500xy

JQC-2-05501-99-1305

Calibration

Direct serial RS422/485 connection diagram

Digi-Pas® device is calibrated in the factory for maximum accuracy. Users can re-calibrate when necessary. for detail calibration please refer to the Instruction manual available Online

Cleaning

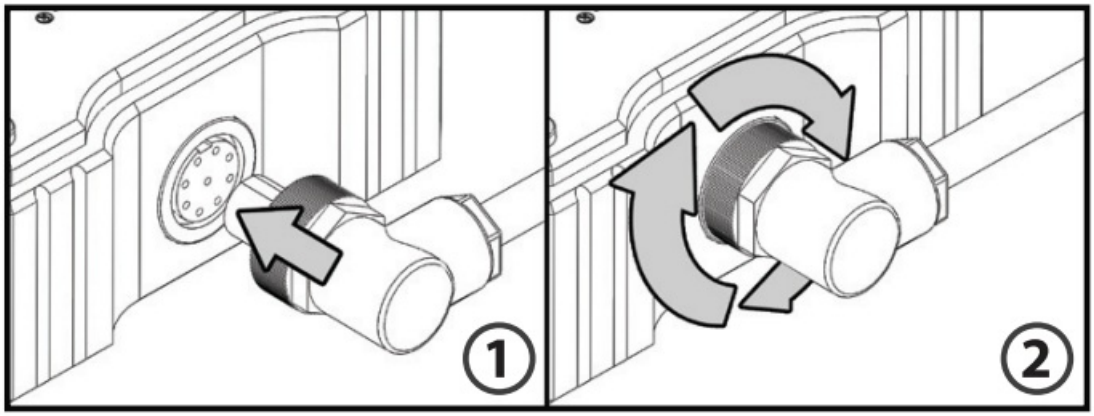
Do not use harsh chemicals, strong detergents or cleaning solvents to clean the device.

Kit Contents

1. Sensor module
2. Sensor to DB-9 male cable
3. RS422/485 serial converter *
4. Female DB-9 lead cable
5. Calibration Certificates
6. Quick Guide

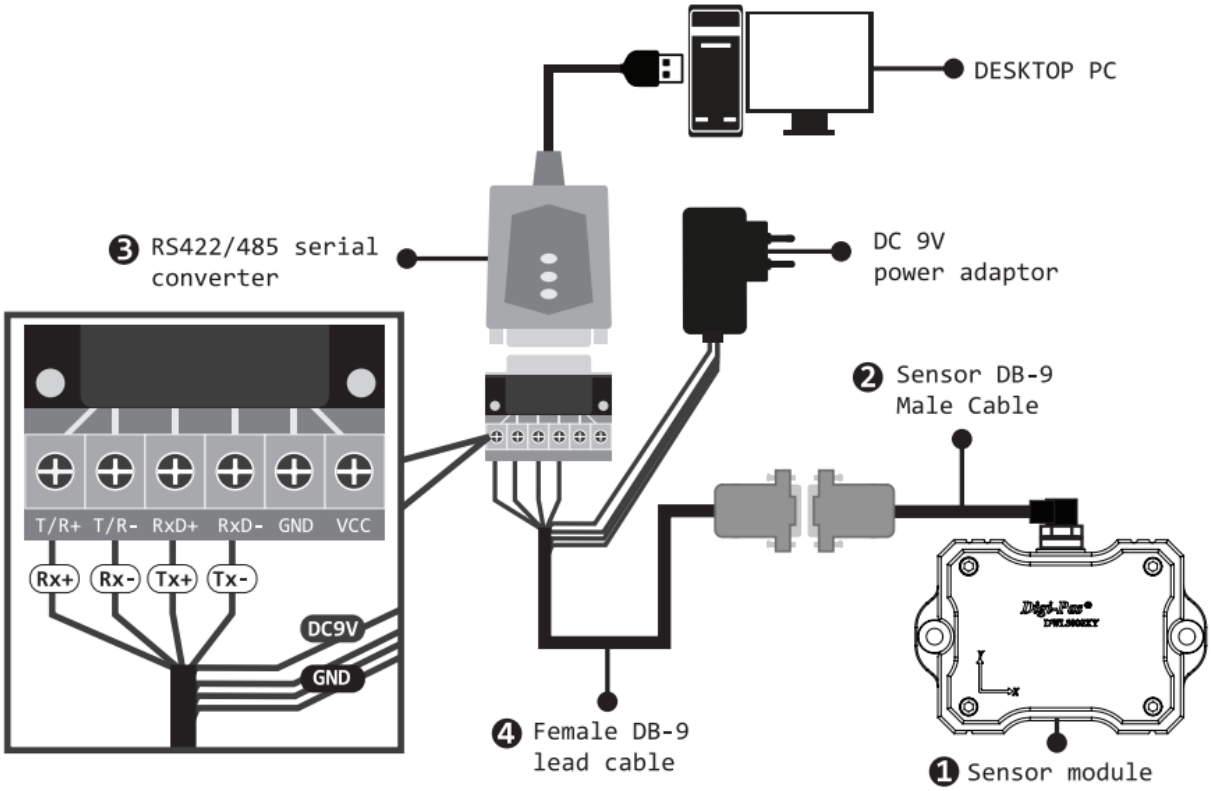
Note: * Converter driver available at digipas website visit: https://www.digipas.com/dw15500xy

Safety Precautions

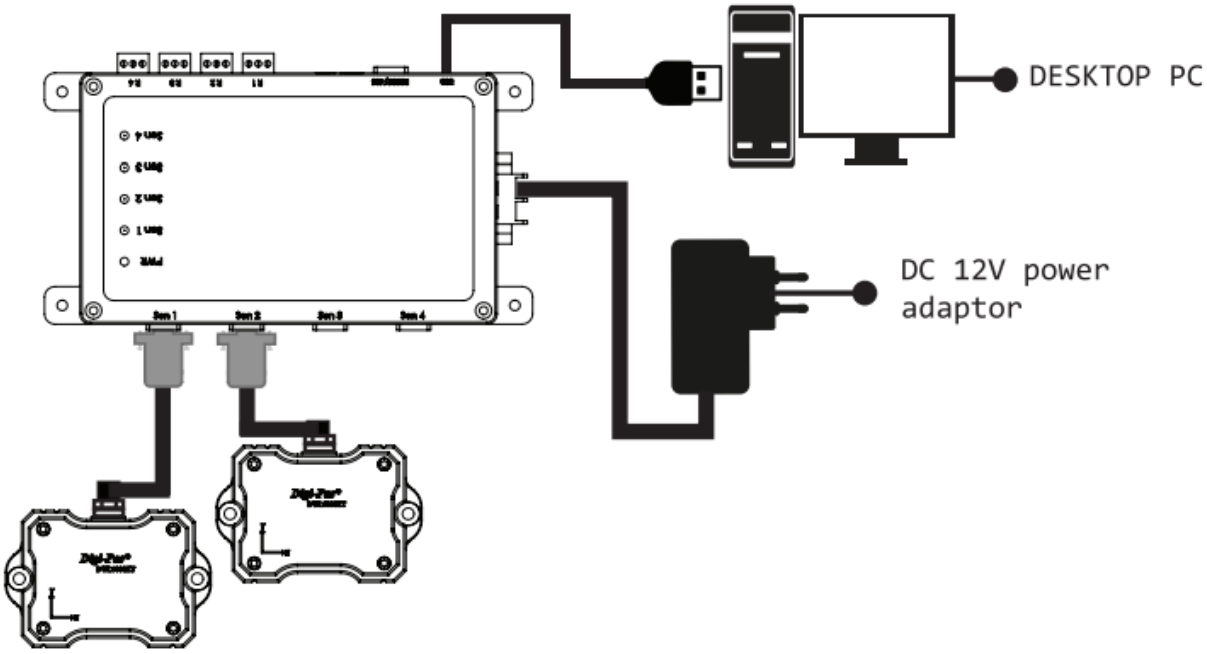


1. Ensure the circular multiple plug align with the receptacle on the sensor module by following the lacking guide.
2. Secure the circular multiple plug by screwing it clockwise.

DIRECT SERIAL RS422/485 CONNECTION DIAGRAM



Multiple sensor connection diagram using control box



❶ Sensors module

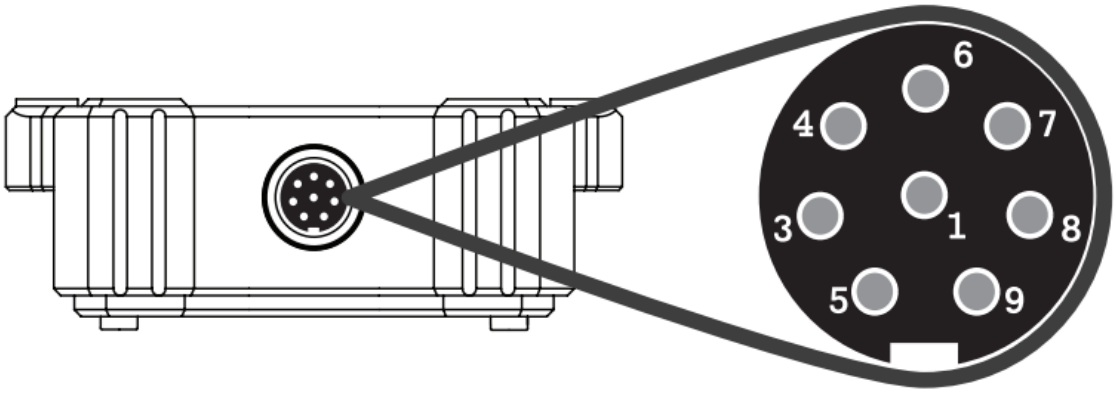
DWL-5500XY PC sync software
DWL-5500XY PC Sync Software Basic Edition is available free for download at **digipas.com** website.
PC SYNC SOFTWARE Li DRIVER:
https://www.digipas.com/dw15500xy
SAMPLE CODE:
https://www.digipas.com/samplecode
DWL-5500XY Instruction manual/Programing guide
Quick guide and instruction manual S device driver are available at **digipas.com** website:

INSTRUCTION MANUAL

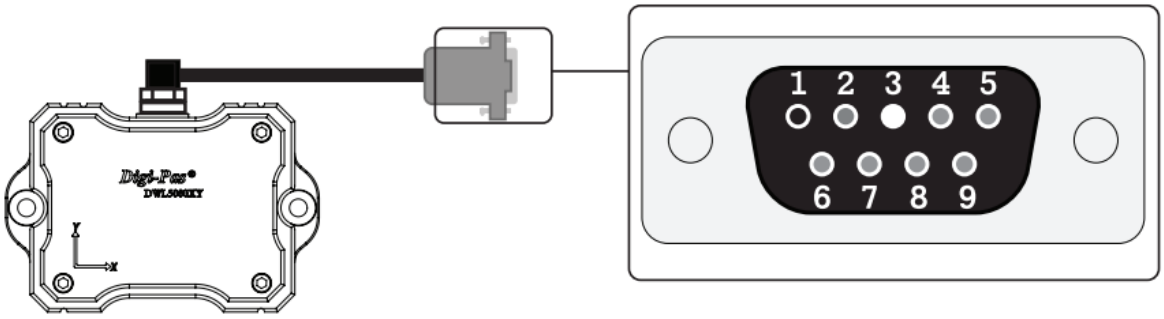
URL: https://www.cliglpas.com/manual5500xy

Connection Pin-out

Pin out of the circular multiple connector of the tilt sensor module



Sensor DB-9 Male cable connector pin-out



Pin No.	Description
1	GND
2	N.0 (No Connection)
3	GND (without Control Box) or Signal 1 (For Control Box only)
4	GND (without Control Box) or Signal 2 (For Control Box only)
5	Power Input (Regulated 9V DC)
6	RS485 – A (Non-inverting Receiver Input/Tx+)
7	RS485 – B (Inverting Receiver Input/Tx-)
8	RS485 – Z (Inverting Driver Output)/Rx-)
9	RS485 – Y (Non inverting Driver Output / Rx+)

Technical Specification

Dimension (mm)	90 x 60 x 33
Weight (Approx.)	600 g
Power Voltage	9V ±1V DC
Output Mode	RS485 (full duplex)
	USB, RS232, and SPDT Relay.* Wireless Bluetooth connectivity (optional) *
Waterproof Rating	IP65
Operating Temperature	-20°C to +70°C
Storage Temperature	-30°C to +80°C

Notes:

- Product specification and appearance are subject to change for product improvement without prior notice.
- * Control Box is required

Warranty

Digi-Pas® Digital level is warranted to the original purchaser to be free from defects in workmanship and material. JSB Tech will, at its option, repair or replace any defective part which may malfunction under normal and proper use within a warranty period of 1 (one) year from the date of shipment. This one-year warranty clause is NOT applicable to European Union (EU) member states. Purchases made in EU member states will be covered by the existing consumer laws across the European Union, which provide statutory warranty rights in addition to the coverage of one year warranty period. The foregoing warranty shall not apply to defects resulting from misuse, abuse, or transfer by the Buyer, Buyer-supplied software or interfacing, or unauthorized modification or operation outside of environmental specifications for the product. JSB Tech does not warrant that the operation of the instrument software, or firmware, will be uninterrupted or error-free. The exclusive remedy under any and all warrants and guarantees expressed herein, and we shall not be liable for damages from loss or delay of equipment uses, consequential, or incidental damage. No other warranty is expressed or implied. JSB Tech specifically disclaims the implied warranties of merchantability and fitness for a particular purpose.

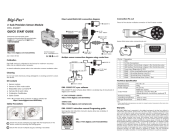
Digi-Pas®

Technical Support

Email: info@digipas.com

CE FC RoHS

Documents / Resources

	Digi-Pas DWL-5500XY 2 Axis Precision Sensor Module [pdf] User Guide DWL-5500XY 2 Axis Precision Sensor Module, DWL-5500XY, DWL-5500XY Precision Sensor Module, 2 Axis Precision Sensor Module, Precision Sensor Module, 2 Axis Sensor Module, Sensor Module, Sensor, Module

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