

QUICK START GUIDE - SPS FOR LEVEL

1. Unpack & Open Up the Metron4



Place unit on a flat surface and loosen the 2 nylon screws in bottom corners to open.

Allen key required.

2. Mount the Metron4



Use the 2 mounting holes to screw the Metron4 down onto a flat surface.

Avoid mounting inside metal cabinets or underground (could reduce signal).

Ensure blanking plugs are fitted over empty glands.

3. Connect the Sensor (s) & Power



Run the sensor cable(s) through the gland.

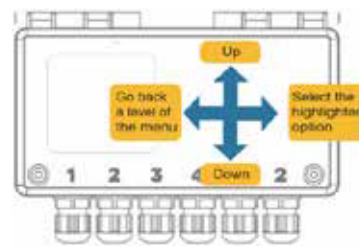
Unplug the green connector(s) and wire in.

(RED = +V, BLUE = IN)

Plug the connector(s) back into the correct input channel and tighten the gland. Ensure cable is through the gland.

Plug in the power source.

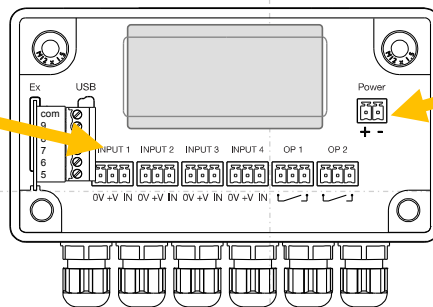
4. Navigate the Metron4



Press any button to wake the Metron4. Press left for immediate reading (config. dependent) or enter PIN (1234) and press right after 4th digit to enter homepage.

Move down to Force Transmit and right to select. Watch the progress bar and wait for the unit to transmit. Once complete, data can be viewed on MetronView. The unit will countdown for 45 seconds, then enter Run Mode. Screen will turn off.

Input 1 is 1st to left, then 2, 3 & 4.



Power connector. Be sure voltage suits the unit type. See sticker next to SIM card.

5. View Data



Visit:

www.metronview.com

Login credentials will have been sent by email.

Once logged in, a summary of the units will be visible. Click view to the left of the device's name to see the historical data.

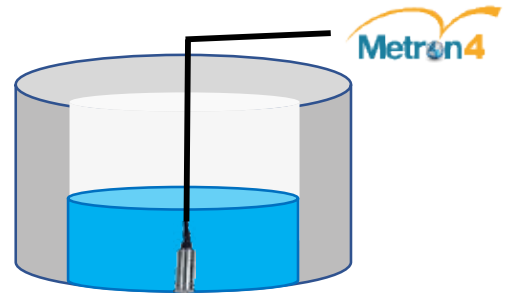
6. Programming

Units can be remotely programmed from MetronView. It is possible to change how often readings are taken & sent and alarm thresholds for each of the input channels. To make changes, contact PowTechnology support.



HOW IT WORKS

A pressure sensor is dropped to the bottom of the tank and measures the pressure exerted by the column of liquid above it. It compensates for the changes in atmospheric pressure. The Metron4 periodically powers the sensors, scales the reading into the correct units and transmits to a server via the mobile phone networks. There can be 4 sensors connected to each Metron4.



HOW TO INSTALL

Things to be considered:

- How will it be powered? If solar, a clear view of southern sky is required.
- Will people need to read the display?
- Is there enough mobile phone signal?

1. Lower sensor to bottom of tank. In many cases there will be a spare opening. If not, an opening will need to be drilled. Ensure the opening is sealed to ensure no water enters the tank. If there's excess silt at the bottom of tank, consider fixing sensor so it sits above this.
2. If a longer cable is required, a 2-core twisted and screened is suggested, alongside a waterproof and vented junction box (Powtechnology offer one with a breather gland). The voltage will only be 21.6 V and a maximum current of 20 mA.
DO NOT BLOCK THE VENT TUBE OR GET WATER IN.
3. Follow the instructions over page.

