

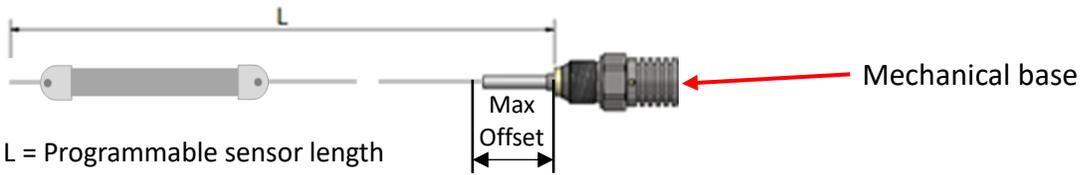
Quick Setup Guide for WLT Wire Level Sensor Transducer Probe



Scan the QR code for the Bulletin:
<https://www.hantech.com/product-list/wire-level>

Installation steps

1. Separate the electronic transmitter from the mechanical base.
2. Determine probe sensor wire length.

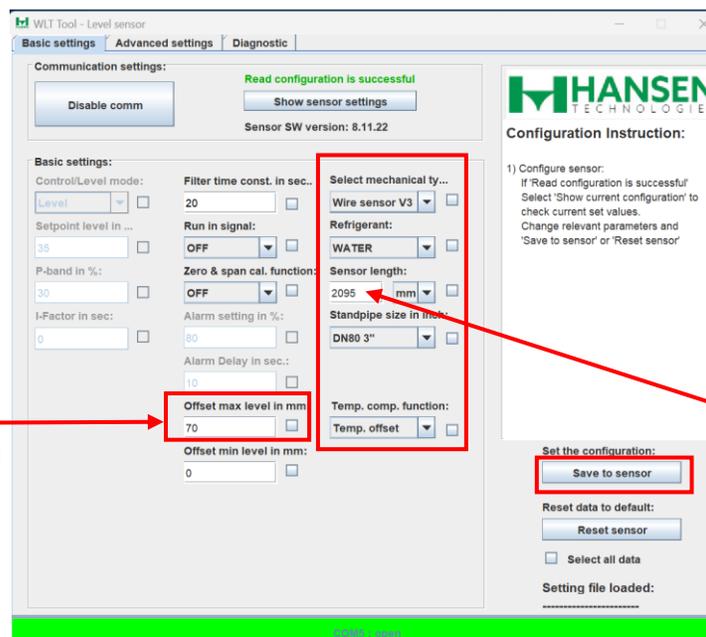


L = Programmable sensor length

L = Wire length

Allow for minimum of 2 inches (50 mm) clearance from tip of the wire to the bottom of the column.

3. Use the M12 to USB-A programming cable and the Hansen software tool (available at <https://www.hantech.com/product-list/wire-level>) to set up the Basic settings of the probe and Save to sensor.



Typical Offset max level is 2.75" (70 mm)

Note: Positioning the cursor over the selections will describe what they do (L)

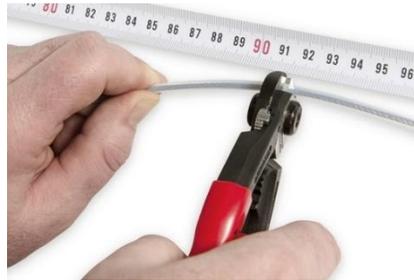
4. Cut wire to correct length and attach counterweight.

Wire Adjustment

The sensor length is determined by column length. Cut the insulated steel wire to the desired measuring length with wire cutters as shown below.



To install the sensor, you must use a 2.5 mm hex key, and a wrench.



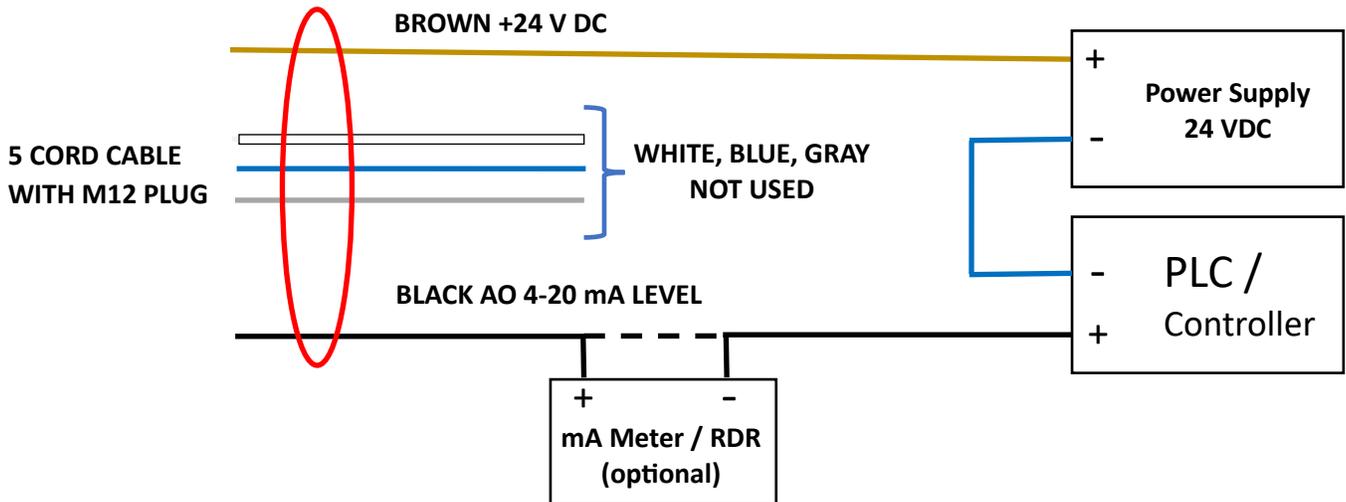
Define the required length of sensor from column. Shorten the wire with wire cutter.



Put the wire all the way through the counterweight until it protrudes (1/4" to 1/2") and tighten (approx range 3.5 - 4.0 in-lbs) the two set screws with the 2.5mm hex to fix it on the wire. Do not over-tighten the screws. Do not remove the insulation on the wire.

5. Wire per schematic below.

The sensor output is a 4-20 mA provided on the M12 plug. The signal is linear to the level.



6. Install the mechanical base in the column. Use non-electrically isolating pipe sealant for the 3/4" NPT connection. Do not use Teflon tape.
7. Attach the electronic transmitter to the mechanical base in the column.
8. Connect the M12 plug to the electronic transmitter. Ready to use.