

Pressure Transducer for measuring water level,
Pressure sensor with analog 4-20mA output and Barometric Pressure compensation.



Basic Handling & Operation:

- Ensure that the cable is handled & stored with large loops and NOT KINKED (which blocks the barometric pressure compensation tube).

Big Loops, No Kinks

Installation Notes:

Groundwater Installations:

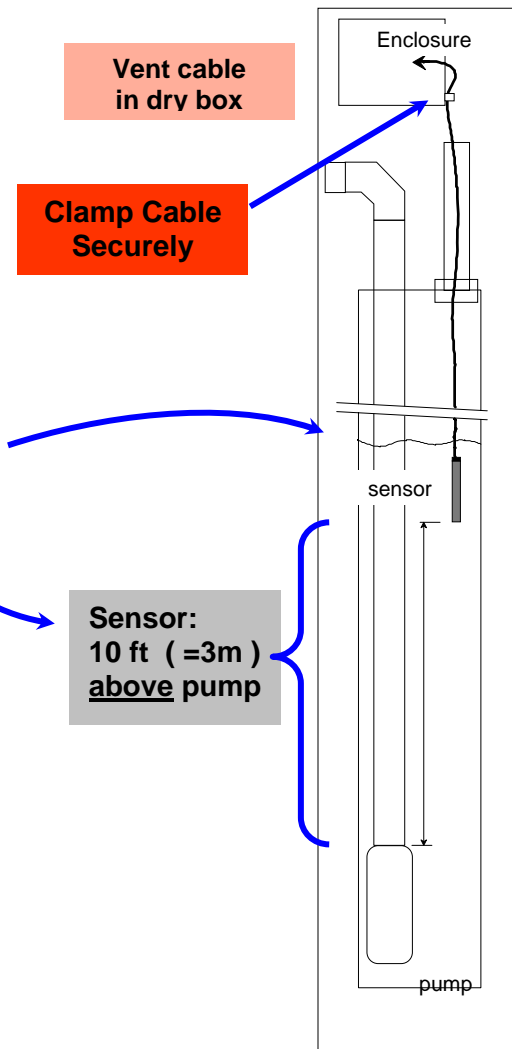
- **Terminate cable into a dry enclosure** – to avoid moisture entering pressure compensation tube in cable.
- **Secure the Sensor Cable:** Ensure that the cable is clamped securely to topside hardware BEFORE deploying sensor down well. DO NOT EXCEED THE MAXIMUM RATED DEPTH OF THE SENSOR OR IRREPARABLE DAMAGE TO THE SENSOR MAY OCCUR!
- It is not necessary to locate the sensor at the well's bottom – merely below the lowest likely water level.
- Avoid cable entanglements by **installing sensor at least ten feet above the well pump.**

Open-Channel Installations:

- Keep debris, silt or mud away from sensor (eg: Open Channel installations) by housing sensor in perforated conduit or wellscreen.



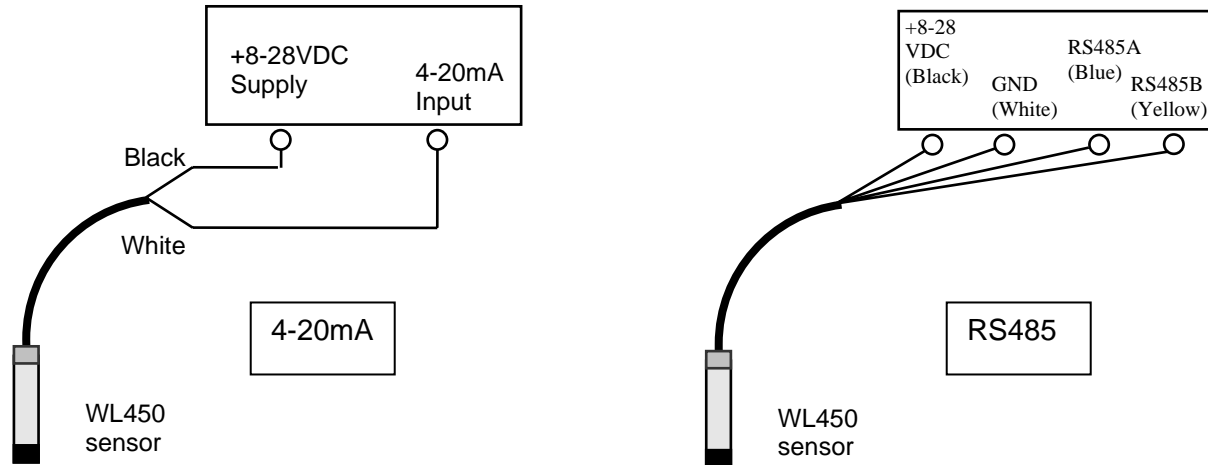
- **Use Long-Sweep Elbows** (PVC conduit fittings) to ease cable deployment through conduit for riverbank monitoring of flow / level in open channels.



Wiring Notes:

- Connect sensor cable to Analog Input Current terminals of data collection device (e.g.: Global GL500 Data Logger, PLC, RTU, etc.)

**ONLY CONNECT
SENSOR WITH THE
POWER TURNED OFF**



- When testing or troubleshooting the level sensor, **disconnect it from your system power source** and connect to an independent battery or power supply and read the output with a multimeter.
- This sensor requires a minimum ½ second warm-up time to provide an accurate readout.
- To test the actual sensor output, submerge sensor in a water column and look for a current output at or above 4mA and below 20mA. The output increases with increasing depth. **DO NOT EXCEED THE MAXIMUM RATED DEPTH OF THE SENSOR OR IRREPARABLE DAMAGE TO THE SENSOR MAY OCCUR!**



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