For information concerning the optional DCS cabinet and bi-level inputs, contact VEGA Field Service Engineering at 513-272-0131.

VEGA Customer Service information
To request field service within the United States and Canada, call 513-272-0131. Customers outside of the United States and Canada should contact their local VEGA representative for parts and service.

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To mount the platform assembly
1. Use the 4 lifting holes at the side of the field enclosure base to lift the measuring assembly platform. The entire platform weighs from 386 to 499 kg (850 to 1,100 lbs).
2. Install the equipment according to the certified outline drawings.
3. Open the field enclosure once the platform assembly is securely in place.
4. Remove the clamp/bracket or packing that holds the sensor assembly in place.
Note: Do not discard the clamp/bracket. You will need to secure the sensor assembly if the platform moves in the future.
5. Remove the cover of the electronics’ enclosure and remove the packing material and wiring for the unit.
6. Fasten the door on the sensor platform box when the SmartScan is in use. This maintains the watertight seal.
7. The SmartPro electronics console is usually mounted in the control room. To prolong the life of the components, mount the SmartPro in an area that has a clean, non-corrosive environment and is above freezing.
Ensure that the equipment has enough room to open the door and is easily accessible.

To mount the SmartPro electronics console
1. Drill 4 holes into the wall for mounting.
2. Refer to the certified outline drawing for dimensions.

To check well integrity
1. Use the alignment test fixture before mounting the SmartScan on the well.
2. Tie a rope longer than the well length to the lifting eye.
3. Lower the alignment test fixture into the well until it meets resistance.
4. Mark the rope at the entry flange of the well to determine the stopping point.
5. Retrieve the test fixture and measure the length from the mark to the end of the fixture.
6. The measured length should equal the length of the well. If not, there is an obstruction stopping the test fixture. You must clear this obstruction before continuing.
Note: If using a gate valve, pass the well test tool through the valve to ensure that there is no obstruction.

To install wiring for the measuring assembly platform
4. Remove the clamp/bracket or packing that holds the sensor assembly in place.
5. Fasten the ½" conduits to the back of the platform assembly and pull the power supply and output wires through the conduits into the housing.
6. Strip the power supply wires back approximately ¼".
7. Attach the ring lug to the end of the ground wire and attach to the housing ground stud.

To install wiring for the SmartPro
1. Pull the power supply wires through the conduit and into the housing.
2. Connect the power supply wires at TB1. Hot wire to Pin 1 (L1 or H), Neutral wire to Pin 2 (L2 or N), Ground wire to Pin 3. Shield wire to Pin 4 (SHD).
3. Connect signal wires TB4 11 and 12 RET Analog signal 10 shield.
For position analog:
1. Pull the signal wires through conduit and into housing.
2. Connect signal wires TB3 3 and 4 RET Analog signal 12 shield.

Note: If in a hazardous area, verify that the area is in a non-hazardous condition before turning on the power or using a hand-held terminal.

To install wiring for the measuring assembly platform
1. Pull the power supply wires through conduit and into the housing.
2. Connect the power supply wires at TB1. Hot wire to Pin 1 (L1 or H), Neutral wire to Pin 2 (L2 or N), Ground wire to Pin 3. Shield wire to Pin 4 (SHD).

To connect the SmartPro to the DCS
1. Pull the signal wires through conduit and into housing.
2. Connect signal wires at TB4 11 and 12 RET Analog signal 10 shield.

Note: Do not use the conduit that carries the signal cable to and from the control room for any other equipment.