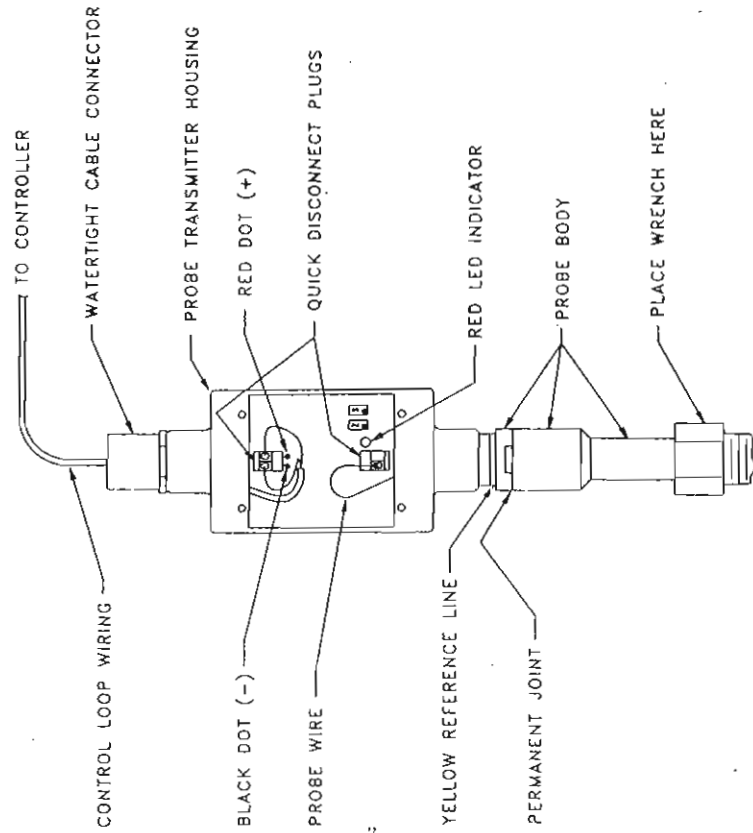


REPLACEMENT INSTRUCTIONS: VLT PROBE TRANSMITTER HOUSING

(In general, the complete probe [body with transmitter housing] should be replaced)

1. Prepare to remove power from control loop by placing refrigeration system, controls, alarms, etc. in safe mode. Pumpout level column or vessel to zero pressure in which level transducer probe is installed.
2. Remove power from control loop.
3. Remove four screws from cover of probe transmitter housing. If optional built-in digital readout is installed, grip on edges of circuit board and pull it straight out. Remove quick disconnect plugs from sockets in transmitter housing. Disconnect control loop wiring and remove. Disconnect probe wire from plug. **CAUTION:** failure to disconnect and remove probe wire from plug and socket may damage probe beyond repair. Loosen knurled watertight cable connector and pull control loop wiring through top.
4. Using two flat jaw wrenches, one on hex of probe body and the other on probe transmitter housing, apply gentle force to turn the probe transmitter housing counter-clockwise and remove. **DANGER:** permanent joint on probe body must not be broken or even loosened. If this occurs, do not attempt to remove probe housing. Temporarily re-secure the permanent joint if it is safe to do so by tightening the joint with a pipe wrench. (Contact factory for probe body replacement if needed.)
5. Lightly oil threads on top probe body (do not use pipe sealant or tape). Install new probe transmitter housing assembly, using two wrenches same as above, turning it clockwise to tighten approximately $\frac{1}{4}$ to $\frac{3}{4}$ turns past hand tight, but take care to not twist the still loose probe wire.
6. Using teflon tape on threaded portion of watertight cable connector, screw into new probe transmitter housing. Pull control loop wiring through watertight cable connector and tighten. Use care to insure a watertight joint.
7. Connect control loop wiring and probe wire to plugs and place into sockets. Re-install optional built-in digital readout.
8. Verify proper calibration per instructions in Bulletin P109: VLT 4-20mA Techni-Level® Level Transducer Probes.
9. Replace cover, gaskets, and screws; tighten until sealed.



REV	DESCRIPTION	DATE	BY
1	HANSEN TECHNOLOGIES CORPORATION		
2	VLT PROBE TRANSMITTER HOUSING		
3	REPLACEMENT INSTRUCTIONS		
4	SCALE	DATE	BY
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