

**ENGINEERING SPECIFICATION  
MODEL 5000 'SMALL BORE'**

Process level shall be measured by a hydrostatic submersible level transmitter.

The level transmitter shall be constructed of 316 stainless steel with stainless steel or Teflon diaphragm. Overall diameter shall be 0.69" an overall length shall be less than six inches (6") O.A. with a protective nose cone.

The transmitter sensor shall be solid state, piezo resistive type, protected from the process media by the diaphragm and silicon oil fill fluid.

Electrical output shall be true two-wire 4/20-milliamp requiring 15-45 volts DC excitation.

Accuracy shall exceed  $\pm .5\%$  of FS and both zero and span adjustments shall be available for field calibration. Available ranges shall include 0-15/0-575 ft. WC.

Electrical connection shall be through a custom manufactured heavy wall polyurethane jacketed cable which does not employ a vent tube through which moisture can ingress the electrical housing.

The transmitter manufacturer shall offer several mounting options including conduit adaptors, pipe mounting brackets and cable suspension brackets.

The transmitter shall be fully repairable at the factory at a cost significantly less than a replacement unit.

Level transmitter shall be Sigma Controls Model 5000.