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Fluid Gauges Installation and Calibration instructions.

Thank you for purchasing a fluid level gauge from us. Your unit has been calibrated to suit a tank depth of mm. inches.

Installation 3/4" BSP Socket.

Fit the 3/4" compression fitting to the tank using thread seal tape – do not over tighten. Your unit has been factory calibrated to suit your tank so re-calibration should not be necessary.

Slide the sensor through the compression fitting until the case moulding of the amplifier touches it. Tighten the compression nut until it just grips the plastic sensor tube then tighten a further half turn.

This completes the fitting of the sensor.

Installation Universal fitting (Rubber bung)

Where a 3/4" BSP socket is not fitted to the tank an expanding rubber bung system is used. Choose a place where there is good access above the tank and using a hole saw, cut a 32mm hole. Remove all loose pieces of swarf and check that the hole has a reasonable finish. Using liquid soap lubricate the hole sparingly and insert the bung with the larger diameter on the outside of the tank. Your unit has been factory calibrated to suit your tank so re-calibration should not be necessary.

Lubricate the sensor tube then slide the sensor through the bung until the amplifier case just touches the top face of the bung. This should position the lower end of the sensor approximately 30-40mm from the bottom of the tank.

This completes the fitting of the sensor.

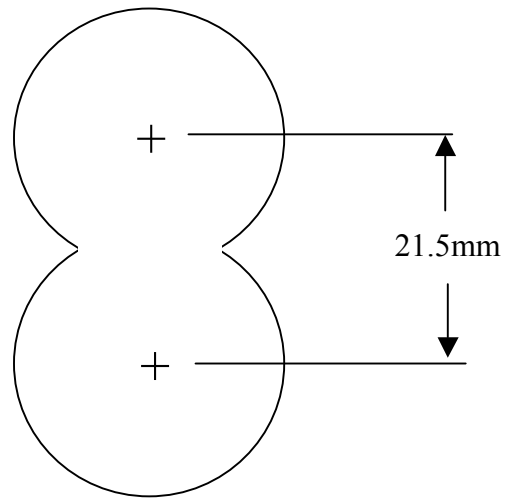


Mounting the Gauge and Electrical Connection.

The hole cut-out for the gauge is as per diagram. (see drill template on last page)

Mark the hole centres 21.5mm apart or use the drill template on last page, then using a small drill make two pilot holes. Now using a 32mm (1 1/4") hole saw, cut out the two circles. Try the gauge and remove rough edges as necessary.

A drilling template is on the last page of this instruction manual.



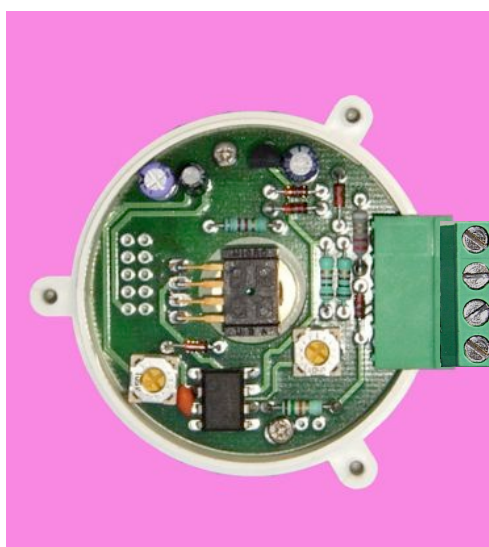
This is **NOT** a template
See last page

Electrical connection.

Connect the wires to the connector blocks as shown using a wire gauge that fits the blocks. Multistrand 0.5-0.75mm CSA is ideal as this is a gauge of wire that can be supported and attached mechanically. (Do not use single strand wire) Connect to a supply in the range of 12-24 volts. Insert the plug into the sender ensuring that the two retaining clips on the plug fit over the OUTSIDE of the socket. If the sender and gauge are a long distance apart only the 0 volts and signal need to be run between the sender and the gauge leaving the +&- supply to be fed locally to the gauge and the + supply only to be fed locally to the sender.

Sender

Gauge



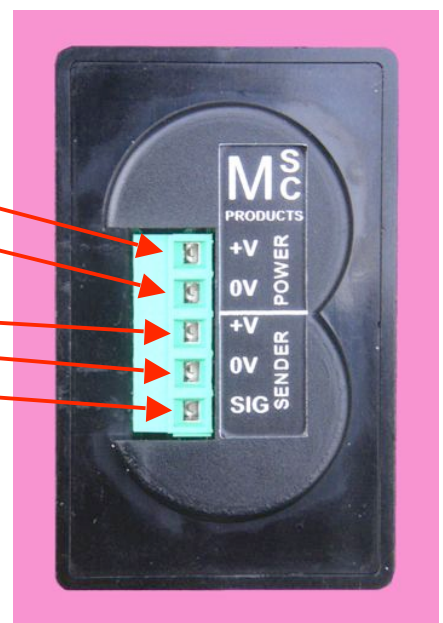
Power feed

+12-24 volts
- 0 volts

12-24 volts

Negative 0volts

Signal



The unit will now be operational.

Calibration Procedure.

This section should not be needed unless the tank depth has been wrongly specified. Please consult the manufacturer if in doubt.

Drilling Template

