

# MULTITRODE Pty Ltd

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## DECLARATION OF MANUFACTURING STANDARDS

### MULTITRODE CONDUCTIVE LIQUID LEVEL SENSING PROBES

#### 1. Materials

##### a. Sensors

- i. Sensing Electrodes are made of Avesta 254 SMO high grade stainless steel alloy cast M S31254
- ii. Sensor Body is made of uPVC

##### b. Probe Body

- i. Probe Casing is made of uPVC premium quality extruded tube SAA 1477.1-1988
- ii. All sections are chemically welded using methyl ethyl ketone based PVC welding compound.

##### c. Cable

- i. Each core is V75 PVC insulation on 24 strands of 0.2mm diameter copper, resistance less than 24.7 ohms/kilometre
- ii. Oversheath is 4V-75 PVC.
- iii. Cable complies with test criteria in AS3191 and AS1125

##### d. Filling

- i. Filling comprises of 2-part epoxy resin, LC191 resin and HY2964LC hardener.
- ii. Filling is mixed at time of injection to ensure fresh mix is injected.
- iii. Probes are set lying flat in guide trays to ensure probe sets straight.

#### 2. Testing

- a. Each sensor is tested for conductivity between sensor and appropriate cable connection before and after resin injection.



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