

# EPP25SMT SERIES PRODUCT DATA SHEET

The probes are available with a variety of options:-

Temperature O/P: NTO= without temp o/p; TO= with temp o/p.  
Body material: PP= polypropylene; PVDF = pvdf.  
Range: standard ranges 2= 0-2mS; 20= 0-20mS; 200=0-200mS.  
Lead length: standard length= 2m.  
Termination standard termination tinned wires.

Order codes for the EPP25SMT are as follows:-

EPP25SMT/temperature/body/range/lead/termination.

The probe specification is :

Scale 0 to 2/20/200mS for 0 to 2V o/p  
Sensitivity 10/100/1000mV/mS & 10mV/degC at the temperature output.  
Probe Factor 4.27  
Temp Compensation None, but temp o/p available.  
Power Supply +/- 9V Min +/- 12V Max dc. @ 15mA typ.  
Output Signal 0 to 2V referred to 0V

There are two screw potentiometers at the rear of the probe which allow adjustment of gain and offset.

Firstly adjust offset to zero with probe out of solution & dry.

Calibration resistors are available as an option.

To adjust gain, pass a calibration resistor through 9.5mm hole in probe, joining the ends together in a circuit round the probe tip.

Do not touch the resistors while adjusting the output to 427mV.

For the probe to operate effectively, it is best to mount with the hole facing upwards, to allow air bubbles to disperse. Also, for accurate results, a space of 20mm all around the probe bobbin is required. The measurement is sensitive to any physical obstruction near the 9.5mm bore of the bobbin.

3rd ANGLE PROJECTION

DO NOT SCALE

