

## Fluid Temperature & Conductivity.

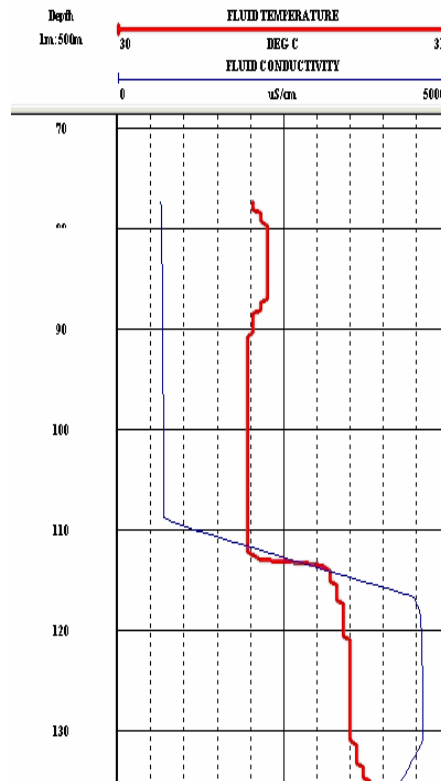
### Measurement Principle

The fluid temperature and conductivity detectors are mounted in an open chamber at the base of the probe – thus allowing free flow of fluid through the detectors during data acquisition.

Fluid conductivity is measured by a multi-electrode array which compensates for changes in electrode contact resistance.

Fluid temperature is measured using a high precision platinum resistance thermister. The thermister has a rapid response time to minimise effects of logging speed.

The probe can be used on its own or within a combination "stack" of other probes. Particularly useful is the ability to combine this probe with an impeller flowmeter – for example during pumping tests.



**Combinable Probe Stack**

PHYSICAL SPECIFICATIONS		
	Fluid Temperature	Fluid Conductivity
WEIGHT	2 kg	2 kg
LENGTH	0.7m	0.7m
DIAMETER	38mm	38mm
DETECTOR	PT100	
RANGE	0 - 80°C	5 – 50000 $\mu$ S/cm
ACCURACY	+/- 0.4°C to IEC751	+/- 1% @ 1000 $\mu$ S/cm
MAX. PRESSURE	20 MPa	20 MPa
MAX. TEMP.	80°C	80°C