



GEOPHYSICAL LOGGING PROBES

Fluid Temperature

TEMP

MEASUREMENT PRINCIPLE

The probe is used for precise temperature measurements of the fluid in the borehole.

Fluid temperature is measured using a high precision platinum resistance thermistor. The thermistor has a rapid response time to minimise the effects of logging speed. The thermistor is mounted in an open chamber to allow free flow of fluid during data acquisition.

Suppliers of the platinum resistance thermometry conform to IEC751:1983 standard.

Ideally suited for:

- Groundwater investigations.
- Geothermal exploration and production.

Operations & Calibration:

- Minimum borehole diameter of 50mm.
- Fluid filled open borehole conditions.

Typically recorded in a downhole logging direction at logging speeds of 5 – 7 m/min. Downhole logging is preferred to obtain a fresh a sample as possible.

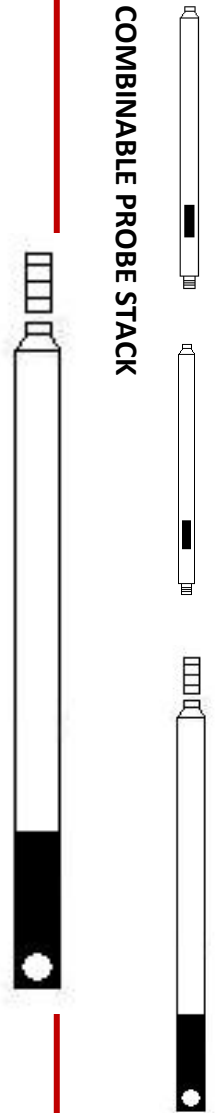
Final curve units can be degrees Celsius.

Calibration from manufacturer.

Probes can be stacked to the top and the bottom of the probe. Typical combinations are:
Gamma, gamma and caliper, magnetic deviation.

SINGLE PROBE

COMBINABLE PROBE STACK



PHYSICAL SPECIFICATIONS

Weight	2.6kg
Length	0.53m
Diameter	38mm
Detector	PT100 (platinum thermistor)
Range	0–80°C
Accuracy & Resolution	+/- 0.3°C & 0.01°C
Maximum Pressure	20 MPa
Maximum Temperature	80°C

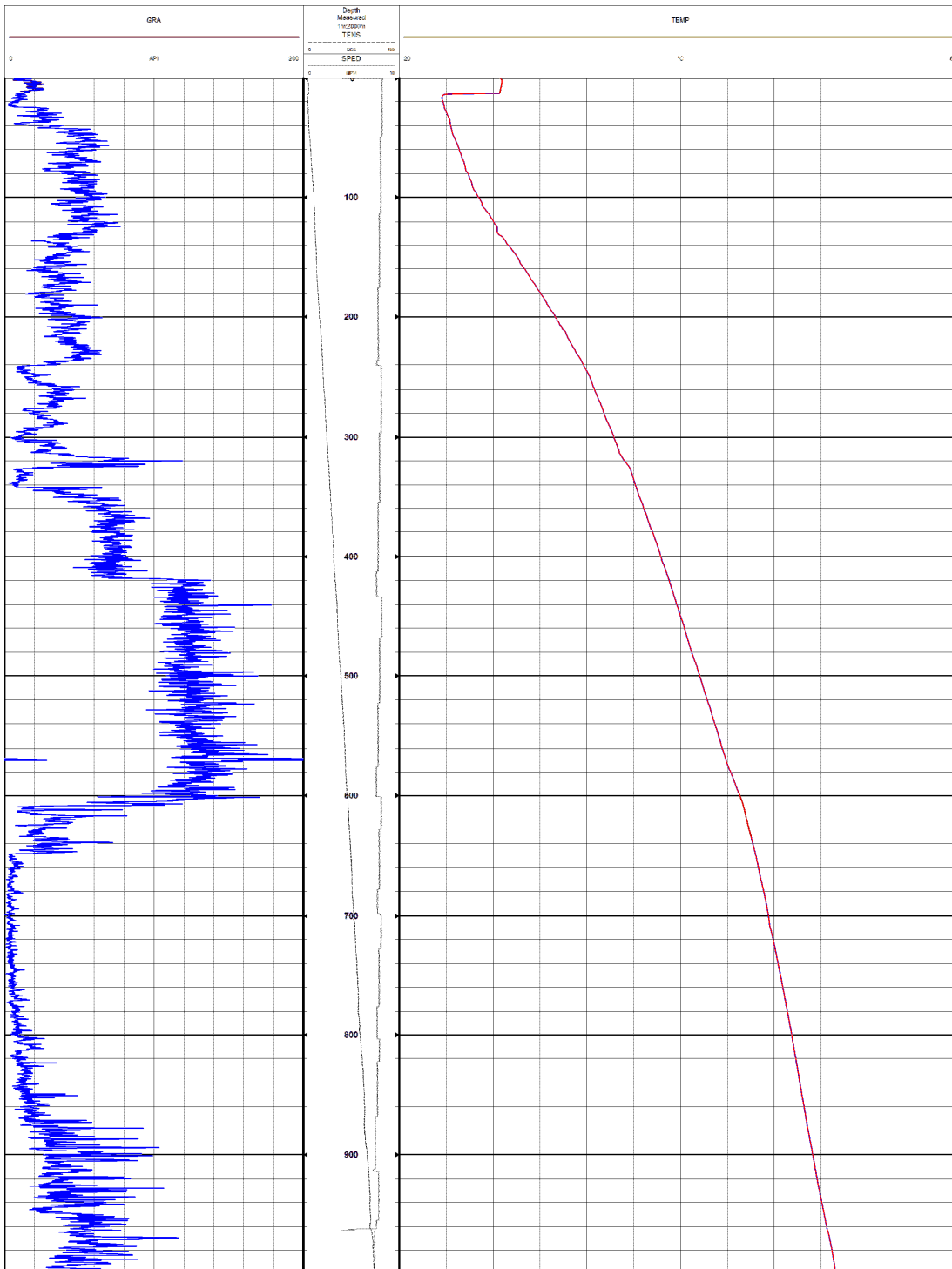




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