



**GEOPHYSICAL LOGGING PROBES**

# Heatpulse Flowmeter

HPFM

**MEASUREMENT PRINCIPLE**

The heatpulse flowmeter measures low to very low flow rates in the borehole by generating an electronic pulse of heat (capacitor) in the measurement chamber which can be detected above and below through highly sensitive thermistors.

The heatpulse flowmeter involves stationary measurements throughout the interval of interest and is used when expected groundwater flows are below the detectable limit of an impeller flowmeter.

**Ideally suited for:**

Groundwater monitoring and characterisation.

**Operations & Calibration:**

- Minimum borehole diameter of 60mm.
- Requires fluid in the borehole.
- Can be run in open borehole or cased borehole conditions.

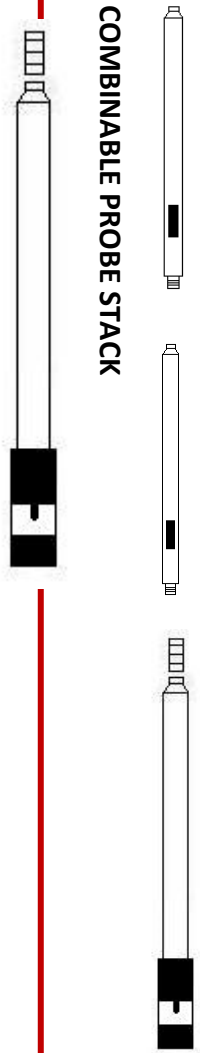
Stationary measurements over interval of interest

Calibration via workshop test flow tube.

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

SINGLE PROBE RUN

COMBINABLE PROBE STACK



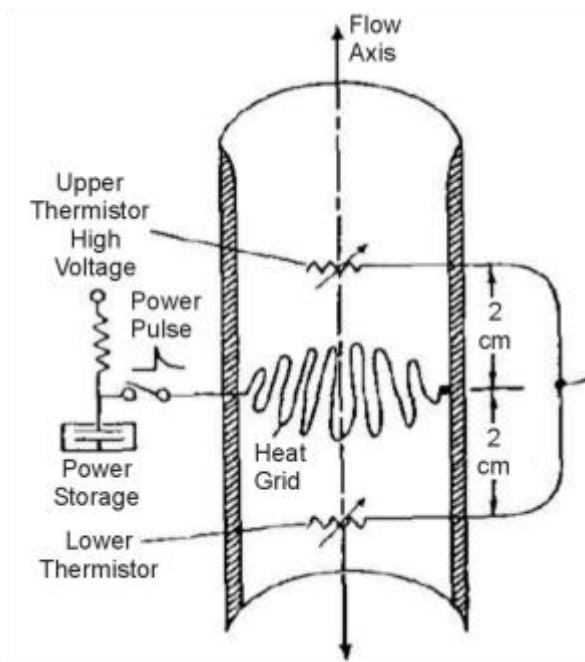
PHYSICAL SPECIFICATIONS	
Weight	6.2kg
Length	0.90m
Diameter	51mm
Maximum Pressure	20 MPa
Maximum Temperature	80°C



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