

## Heat Pulse Flowmeter Probe

The Geovista Heat Pulse Flowmeter Probe detects differential flow rates and flow direction in boreholes. A heated grill and two thermistors detect water movement in the borehole. It is useful at low flow rates.

The Heat-Pulse Flowmeter is useful for very low velocity flow rates, typically of less than 2m/min. Measurements are made with the tool stationary in the borehole. It uses a short heat pulse and two thermistors at a fixed distance from either side to detect the transported heat energy. Using the time between the firing of the heat pulse and detection at the upper or lower thermistor, the fluid velocity is computed and its direction established.



### APPLICATIONS

- Flow profile
- Zonal identification
- Casing leak determination
- Location of permeable and flowing zones
- Identification of hydraulic gradients
- Identification of transient fractures and fracture flow
- Qualitative and quantitative aquifer characteristics
- Cross hole flowmeter profiling

### KEY FEATURES

- Combinable digital probe

### SPECIFICATIONS

	Heat Pulse
Weight (kg)	6.2
Length (m)	0.90
Diameter (mm)	51
Threshold velocity (m/min)	0.1
Data Output	Time, Direction
Max. Pressure (MPa)	20
Max. Temp. (°C)	80

