HP Flowmeter Probe

Geovista Heat Pulse Flowmeter Probe

APPLICATIONS

- Flow measurement profile
- Ideal for low flow rates
- Zonal identification and casing leak determination
- Location of flowing and permeable zones
- Identifying hydraulic gradients
- Identifying transient fractures open to the borehole (sources, cross-flow)
- Qualitative & Quantitative aquifer characteristics
- Cross hole flowmeter profiling

The Geovista Heat Pulse flowmeter probe detects differential flow rates and direction in boreholes for lower flow rates than the traditional Impeller Flowmeter can measure. Primarily used in groundwater applications, the data is real time and the probe is combinable with other probes.

OVERVIEW

The GeoVista Heat Pulse Flowmeter probe is comprised of an array of capacitors that can be discharged onto a resistive wire grid located between two thermistors in vertical alignment. Logged stationary in the borehole, when the grid is heated up, the water surrounding the grid will warm up. Fluid flow will cause the differential output of the two thermistors to deflect either in the negative or positive direction indicating flow direction and flow rate.

SPECIFICATION

	HPFM Sonde
Weight	6.2 kg
Length	0.9 m
Diameter	51 mm
Threshold Velocity	0.1 to 3.0 m/min
Resolution	0.1 s
Data Output	Time, direction
Max. Pressure	20 MPa
Max. Temperature	80ºC
Combinability	Modular
	Can connect probes above
Borehole	Water
	Open hole, Any casing
Centralisation	Recommended