



Groundsearch Australia's 9722 Series EM Flowmeter logging tool

Save time and money by optimising the data retrieved from your drilled boreholes



The 9722 EM flowmeter is a full range instrument capable of measuring low flow rates of less than 20 milliliters per minute up to +/-40 liters per minute.

Benefits:

Fully downhole digital
Quick automatic setup, unique tool identification
Designed for one-man operation

Features:

Properties Measured:

1. Flowmeter
2. Fluid Resistivity
3. Temperature & Delta Temperature

Specifications:

Length: 142 cm
Temperature: 60 C
Diameter: 41.3 mm
Sensor Housing: 50.8 mm
Weight: 6.2 Kg
PRESSURE: 2500PSI



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The EM Flowmeter tool is used in the environmental and hydrology industries to measure fluid movement in a borehole. The instrument measures flow rates using the principal of Faraday's Law of Induction. The downhole probe consists of an electromagnet and two electrodes located 180 degrees apart and 90 degrees to the magnetic field inside of a hollow cylinder. The voltage induced by a conductor moving at right angles through the magnetic field is directly proportional to the velocity of the conductor (water) through the field. The tool is capable of measuring low velocity flow rates down to less than 20 ml/min and increased flow rates to 40 liters/min, through the tool's 1 inch inside diameter sensor. When using the tool to measure low velocity flow rates a rubber skirt is attached to the outside of the sensor to block off the bore hole and force the fluid to pass through the 1 inch diameter opening inside the sensor coil. The Compu-View Software program is designed to allow the automatic collection of data at selected static stations in the borehole. When measuring faster flow rates the rubber skirt is typically removed and the tool is run in either the static station or dynamic mode. The tool has no moving parts.

The EM Flowmeter is much easier to use, interpret and has better accuracy than other low flow measuring probes like the Heat Pulse. The tool is run in either static (station) or dynamic (trolling) mode.