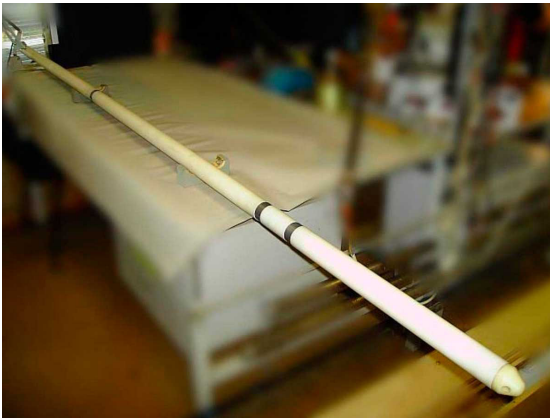


Ore wells logging Coal and water wells logging

## KSP-GK-43 INTEGRATED DOWNHOLE ELECTRICAL AND GAMMA-RAY LOGGING TOOL



Designed for simultaneous measurement of apparent electrical resistance ( $\rho_a$ ), spontaneous polarization potential (SP), exposure dose rate (EDR) of gamma radiation with a quantum energy of 0.03-3 MeV (GR).

The  $\rho_a$  measurement is performed by the method of excitation of the medium with an alternating electric field using electrodes AB and measurement of voltage drop on electrodes MN. SP measurement is performed when the external electric field is off.

The downhole tool is to be run with VULCAN V3 log recorder or similar.

Operates with one-core (SP record restriction) or three-core logging cable. The dimensions of the sonde are made upon request.

### SPECIFICATIONS

EDR measurement range, $\mu\text{R/h}$	5-10000
SP measurement range, mV	$\pm 1000$
$\rho_a$ measurement range, Ohm-m	1-5000
Measurement main relative error, %	5
Downhole tool supply voltage, V	40-50
Rated supply current, mA	120
Output code	Manchester-2
Maximum operating temperature, $^{\circ}\text{C}$	80
Maximum hydrostatic pressure, MPa	20
Diameter, mm	43
Length, mm	3000
Weight, kg	10