

Ore wells logging Coal and water wells logging

# KMV-Tz-43 BOREHOLE MAGNETIC SUSCEPTIBILITY LOGGING TOOL



Designed to measure the magnetic susceptibility of rocks ( $\chi$ , kappa) in natural conditions by magnetizing rocks with a low-frequency electromagnetic field and measuring their secondary field.

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

Operates with one-core or three-core logging cable.

## SPECIFICATIONS

Magnetic susceptibility measurement range ( $\chi$ ), Si units	$20 \cdot 10^{-5} - 1 \cdot 10^{-1}$
Basic absolute measurement error $\chi$ , Si units $\cdot 10^{-5}$	$\pm(10+0,05\chi)$
Additional measurement error $\chi$ , caused by changes in environment by 1°C, Si units $10^{-5}/^{\circ}\text{C}$	3
Downhole tool supply voltage, V	50-60
Rated supply current, mA	60
Output code	Manchester-2
Maximum operating temperature	80
Maximum hydrostatic pressure, MPa	15-35
Diameter, mm	42-52
Length, mm	1400
Weight, kg	7