

Cased hole Ore wells logging Coal and water wells logging

TzSP-2NNK-43/60 Downhole dual neutron-neutron logging tool



is designed to measure the thermal neutron flux caused by fast neutron moderation in the rock to provide the formation total waterlogged porosity and lithology within different kind of wells.

FEATURES AND ADVANTAGES

- downhole tool small diameter;
- pulses miscount elimination thanks to recording channel “dead time” correction for analog signal transmission by bipolar pulses of 10420 microsec due to static adjustment;
- high-efficiency neutron counter with helium filling agent

SPECIFICATIONS

Waterlogged porosity range, %	1-40
Relative measurement error, %	5
Probe length (small/large), mm	300/600
Probe length variability (build-up number/length), mm	3/100
Neutron generator type	ИБН-8-5
Power supply, V	50-60
Neutron source emission rate, n/sec	2×10^8
Maximum operating temperature, °C	120
Maximum hydrostatic pressure, MPa	60
Downhole tool dimensions, mm	
- diameter	43/60
- length	1600
Weight, kg	12/18

TzSP-2NNK-43/60 tools is to be run with the log recorder Vulkan V3 with one-core and tree-core cable.