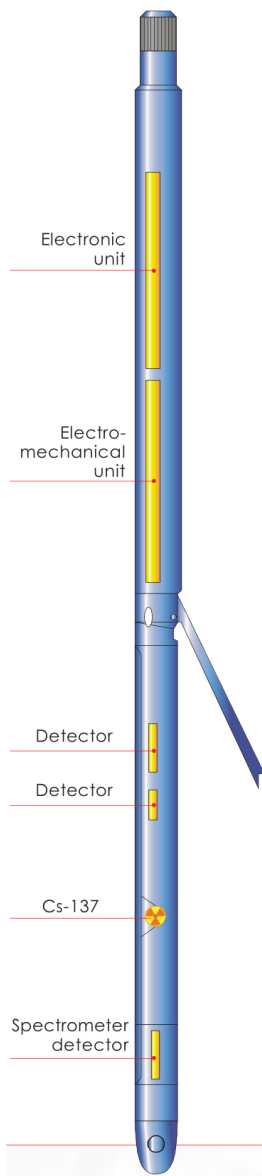


Open hole

TzSP-LPK-76/90 Digital downhole compensated lytho-density logging tool



is designed for bulk density quantification and rock formation effective atomic number determination within oil/gas open holes

FEATURES AND ADVANTAGES

- it is to be run with a logging station equipped with digital recorder "Vulkan" and others, to provide recording and storing downhole data in a digital code "Manchester-2"
- processing method provides near-field effects compensation (mudcake thickness up to 20 mm) and referenceless source energy scale temporary variability accounting
- density quantification and rock formation effective atomic number determination provide rock lithology determination according for 3-component model
- the equipment has a field calibrator for bulk density and effective atomic number

SPECIFICATIONS

Rock bulk density range ρ , g/cm ³	1 - 3
Effective atomic number range Z_e , atomic unit	10-18
Density basic relative error limits, %	±1.2
Effective atomic number basic relative error limits, %	±2
Compensation range for mudcake effects (mudcake density up to 1.8 g/cm ³), mm	20
Downstream amplitude impulse, V	1-10
Power supply, V	50-75
Power consumption, W	40
Maximum operating temperature, °C	80, 120, 150
Maximum hydrostatic pressure, MPa	60
Dimensions, mm:	
- length	3080
- diameter	76/90
- Weight, kg	up to 60/70

Downhole tool can be run with three-core logging cable

DELIVERY SET:

downhole tool, technological and applied software