

ING-10-20-120

Vacuum tube based
pulsed neutron generator
for logging equipment

➡ THE GENERATOR DESIGN INCLUDES:

- neutron emission unit;
- power supply and control unit.

Both units are housed in the metal cylinders having the same diameter.

Electric power is supplied to the generators from 150 V DC source, and control is exercised with the help of the external pulse generator producing positive polarity rectangular pulses with the following parameters:

- pulse amplitude – 15 V;
- pulse width – 10-100 μ sec.

➡ ING-10-20-120 TECHNICAL CHARACTERISTICS:

Neutron flux, neutron/sec	1×10^8
Neutron pulse width, μ sec	0.8
Frequency, Hz	1-20
Operating life time, h	100
Power consumption, W	not more than 30
Neutron emission unit dimensions:	
Diameter, mm	34
Length, mm	1300
Maximum operating temperature, °C	+120

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