

# 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  $\mu$ sec.

## ➡ ING-10-20-120 TECHNICAL CHARACTERISTICS:

Neutron flux, neutron/sec .....	$1 \times 10^8$
Neutron pulse width, $\mu$ 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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