

Natural Gamma Ray/Thermal Neutron Caliper/Guard Resistivity/Single Point Resistance

Mount Sopris Industries (MSI) 2 NUX-1000

Operating Constraints:

Maximum pressure 3000 PSI
 Operation temperature range 0 to 70 degrees C, 32 to 158 degrees F

Dimensions:

Length..... 186.5 in., 4.737 meters
 Diameter 1.75 in., 4.45 cm
 Weight 48 lbs, 21.75 kg

Natural Gamma Ray Detector:

Sensor (Detector) type..... Sodium Iodide (NaI), 0.875 X 3.0 in., 22.22 X 76.2 mm,
 (Diameter X Length)
 Gamma Ray range..... 0 – 30,000 API

Neutron Detector:

Source activity and radioisotope..... 1000 mCi, Am²⁴¹ Be source
 Sensor (Detector) type..... Helium-3 tube @ 4 atmospheres, sensitive to Thermal
 energy Neutrons
 Measurement range..... 0 – 2500 API units in fluid
 Measurement accuracy..... +/- 0.5%

Caliper Arm:

Caliper range..... 1.75 in. – 22 in.
 Caliper accuracy..... .0.1 in., 2.5 mm
 Caliper resolution..... .0.025 in., 0.64 mm

Guard Resistivity Button:

Guard resistivity range..... 0-1000 ohm-m
 Guard resistivity accuracy..... 1% of full scale
 Guard resistivity measurement resolution..... 0.5 ohm-m
 Guard resistivity vertical resolution..... <2 cm

Single Point Resistance Electrode:

Single Point Resistance range..... 0 to 1000 ohms
 Single Point Resistance accuracy..... 1% of full scale
 Single Point Resistance resolution..... 0.5 ohm

