

# Natural Gamma Ray/Compensated Density Caliper/Guard Resistivity/Single Point Resistance

## Mount Sopris Industries (MSI) 2GDA-1000

**Operating Constraints:**

Maximum pressure ..... 3000 PSI  
 Operation temperature range ..... 0 to 60 degrees C, 32 to 140 degrees F

**Dimensions:**

Length..... 172.6 in., 438.3 cm  
 Diameter ..... 1.75 in., 4.45 cm  
 Weight ..... 55.1 lbs, 25 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

**Density Detectors:**

Density accuracy ..... 0.1 g/cc using a 100 mCi <sup>137</sup>Cs source  
 Density resolution ..... 0.05 g/cc using a 100 mCi <sup>137</sup>Cs source  
 Density source to detector offsets..... 7.9 and 13.8 in., 20 and 35 cm (Short and Long Spacing)  
 Density range..... 1 - 4 g/cc

**Caliper Arm:**

Caliper range..... 1.75 – 10 in., 4.5-25 cm  
 Caliper accuracy..... .01 in., 2.5 mm  
 Caliper resolution..... .0025 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

