

513B/520A

CALIBRATOR / CHECKER

513B Precision calibrator



- High precision calibrator that can generate wide range of pseudo output.

513B calibration output of each range is expressed as mV/V. Below chart shows equivalent strain at "G.F. (Gauge factor) = 2.0"

Range	Equivalent strain
0.25 mV/V	500 μ -STRAIN
0.5	1000
0.75	1500
1	2000
1.5	3000
2	4000
2.5	5000
3	6000

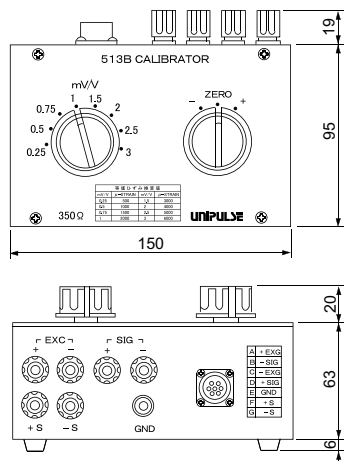
Note) Specification of mV/V does mean the sensor outputs voltage in mV per 1 V excitation voltage. Therefore, Rated output from a sensor of "Rated output = 2 mV/V" with 10 V excitation voltage is 20 mV.

Specifications

Input resistance	350 Ω \pm 2%
Output resistance	350 Ω \pm 2%
Calibration output value	0.25, 0.5, 0.75, 1, 1.5, 2, 2.5, 3 mV/V
Polarity	+, -, ZERO
Error	Within \pm 0.01% of each range
Gain drift	\pm 5 ppm/ $^{\circ}$ C
Excitation voltage	DC 10 V (DC 15 V max.)
External dimension	150(W) \times 95(H) \times 63(D) mm (Not including projections)
Weight	Approx. 800 g
Operating conditions	Temperature: -20 to $+60^{\circ}$ C Humidity: 80% RH or less (non-condensing)
Attachment	(6-wired) cable with PRC connector at both end 1 m.....1
Optional accessory	CA4230: JR-PRC (6-wired) conversion relay cable 0.3 m

* At the above-mentioned specification use of cable of attachment

External dimension



Unit: mm

520A Variable checker

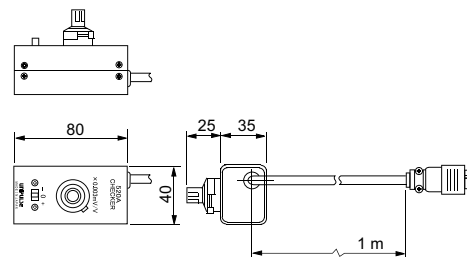


- Continuously variable checker in the range of 0 to \pm 3 mV/V

Specifications

Input resistance	Approx. 325 Ω
Output resistance	Within 100 Ω
Polarity	+, -, ZERO
Output voltage	0 to 3 mV/V (Helical potentiometer with dial)
Error	0.3%+0.02 mV/V (to the dial reading value)
Excitation voltage	DC 15 V max.
External dimension	40(W) \times 80(H) \times 35(D) mm (Not including projections)
Weight	Approx. 250 g
Attachment	PRC (4-wired) conversion relay cable 1 m, Cable end: 5 wires.....1
Optional accessory	CA4311: JR-PRC (6-wired) conversion relay cable 1 m, 4-wired to 6-wired

External dimension



Unit: mm