

Ranger 3

Variable Range Simulator



Standard Features

- ABS plastic case, weighs less than 1 lb
- Fixed rotary switch, -0.5 mV/V to 4.5 mV/V in nine steps of 0.5 mV/V per step
- Ideal tool for calibrating the indicator A/D offset and gain setting
- A/D calibration steps for -0.5 mV/V for offset and 4.5 mV/V for gain
- Used in troubleshooting and testing of systems

Specifications

Range:
-0.5 mV/V to 4.5 mV/V

Impedance:
350 ohm nominal

Nonlinearity:
Less than 0.02%

Connectors:
Binding posts suitable for banana plug or 14-gauge wire

Temperature Coefficient:
±5 ppm/°C

Dimensions:
(L × W × H)
4.5 × 3.5 × 1.25 in

Warranty:
One-year limited

Part Number/Price

Part #	Description	Price
68030	Ranger 3 simulator	Consult

Options/Accessories

Part #	Description	Price
21116	Cable (4 ft) with banana plugs	Consult

Transducer Simulator 4



Standard Features

- Designed for high accuracy
- Sealed lid with neoprene O-ring
- Dustproof and crush tested to 500 lb
- Four operational modes include: vernier adjustment, calibrated adjustment, 0.25 mV/V offset and 0.50 mV/V offset
- Ideal for setpoint or batching simulation

Specifications

Range:
Choose any fixed setting ± 0.25 mV or 0.50 mV through a 10-turn wire-wound potentiometer with locking clutch, fixed and variable

Maximum Voltage:
15 V

Linearity:
Less than ± 0.02% full scale

Temperature Coefficient:
Absolute 5 ppm/°C; tracking less than 0.5 ppm/°C

Load Factors:
Simulates one, two, three, four or eight 350 ohm load cells; or two, four, six, eight or 16 700 ohm load cells

Offset:
+0.25 mV/V for use with digitally calibrated meters requiring positive dead load for calibration

Connectors:
Binding posts, suitable for loose wires or banana jacks

Warranty:
One-year limited

Part Number/Price

Part #	Description	Price
22513	Transducer simulator 4	Consult

Options/Accessories

Part #	Description	Price
21116	Cable (4 ft) with banana plugs	Consult