

# 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 testing, troubleshooting and calibrating digital weight indicators
- Binding posts are color coded to ISA S37.8 standard

## 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:**  
Six-way 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