

# Variable Range/Calibration Simulator

## Ranger 5 Calibration Simulator



### STANDARD FEATURES:

- ABS plastic case, weighs less than 1 lb
- Fixed rotary switch, -0.5 mV/V to 4.5 mV/V in 9 steps of .5 mV/V per step
- 10 turn vernier with locking graduated dial
- Vernier selection of 4 ranges: Off, Fine, Medium and Coarse
- Ideal tool for calibrating 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:

**Fixed Steps:**

-0.5 mV/V–4.5 mV/V range

**Vernier:**

Variable range: up to 0.5 mV/v, up to 1 mV/V, up to 1.5 mV/V

**Impedance:**

350 ohms nominal

**Nonlinearity:**

Less than .02%

**Connectors:**

Binding posts suitable for banana plug or 14 gauge wire

**Temperature Coefficient:**

±5 ppm/ °C

**Dimensions:**

4.5" L x 3.5" W x 1.25" H  
(114.3mm W x 88.9mm H x 31.8mm D)

### PART NUMBER/PRICE

PART #	DESCRIPTION	PRICE
68031	Ranger 5 Calibration Simulator	Consult

### OPTIONS/ACCESSORIES

PART #	DESCRIPTION	PRICE
21116	Cable with banana plugs	Consult

## Transducer Simulator 4



### STANDARD FEATURES:

- Designed for high accuracy
- Sealed lid with neoprene "O"-ring. If secured properly, the Transducer Simulator 4 is completely waterproof
- Dustproof and crush tested to 500 lb
- Four operational modes including vernier adjustment, calibrated adjustment, 0.25 mV offset and 0.50 mV offset
- Ideal for setpoint or batching simulation

### SPECIFICATIONS:

**Maximum Voltage:**

15V

**Bridge Type:**

175 ohm star

**Linearity:**

Less than ±.02% full scale

**Temperature Coefficient:**

Absolute 5 ppm/ °C; Tracking less than 0.5 ppm/°C

**Variable Ranges:**

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

**Load Factors:**

Simulates 1, 2, 3, 4 or 8 350-ohm load cells or 2, 4, 6, 8 or 16 700-ohm load cells

**Calibrated 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

### PART NUMBER/PRICE

PART #	DESCRIPTION	PRICE
22513	Simulator 4	Consult

### OPTIONS/ACCESSORIES

PART #	DESCRIPTION	PRICE
21116	Cable with banana plugs	Consult