

# Ranger 7

Variable Range Simulator



## Standard Features

- High resolution design
- Used in high precision testing, troubleshooting and calibrating digital weight indicators
- Switchable offset
- Painted die-cast enclosure

## Specifications

### Vernier:

Two ranges; one is equal to the sum of the 0.05 mV/V switch and the 0 to 0.5 mV/V switch. The other is the sum of the 0.5 mV/V, 0.1 mV/V and 0.01 mV/V switches.

### Load Impedance:

Three settings:  
X0.5: 700 ohm  
X1: 350 ohm (one standard load cell)  
X4: 87.5 ohm (four load cell platform)

### Linearity:

± 0.01% + 1µV

### Connectors:

Low Thermal Electronics, Type 2758 precision gold plated binding posts, standard banana jacks or 14 AWG wire

### Temperature Coefficient:

5 ppm/ °C

### Zero Offset:

± 0.0005 mV/V

### Output Range:

0 to 3 mV/V in 0.01 mV/V steps

### LED Annunciators:

EXC +  
EXC -  
Offset ON  
0.5 mV/V  
0.1 mV/V

### Warranty:

One-year limited

## Part Number/Price

Part #	Description	Price
157323	Ranger 7 high resolution calibration 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