

# Ranger 5

Variable Range Simulator



## 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 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 x W x H) 4.5 in x 3.5 in x 1.25 in

### Warranty:

One-year limited warranty

## 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
- 10-turn vernier knob with locking graduated dial
- Vernier selection of four 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

## Part Number/Price

Part #	Description	Price
68031	Ranger 5 simulator	Consult

## Options/Accessories

Part #	Description	Price
21116	Cable with banana plugs	Consult

# Ranger 7

Variable Range Simulator



## Specifications

### Vernier:

Two ranges; one is equal to the sum of the 0.05 mV/V switch and the 0 mV/V-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 ohms  
 X1= 350 ohms (one standard load cell)  
 X4= 87.5 ohms (four load cell platform)

### Linearity:

± 0.01% + 1æV

### 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 mV/V-3 mV/V in 0.01 mV/V steps

### LED Annunciators:

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

## Standard Features

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

## Part Number/Price

Part #	Description	Price
157323	Ranger 7 high resolution calibration simulator	Consult

## Options/Accessories

Part #	Description	Price
21116	Cable with banana plugs	Consult