

## Ranger 5



### 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 0.5 mV/V per step
- 10 turn vernier 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 digital weight indicators
- Binding posts are color coded to ISA S37.8 standard

### Part Number/Price

Part #	Description	Price
68031	Ranger 5 simulator	\$460.00

### Options/Accessories

Part #	Description	Price
21116	Cable with banana plugs	\$60.00

## Ranger 7



### Standard Features:

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

### Part Number/Price

Part #	Description	Price
157323	Ranger 7 high resolution calibration simulator	\$700.00

### Options/Accessories

Part #	Description	Price
21116	Cable with banana plugs	\$60.00

### Specifications:

- Range:**  
-0.5 mV/V–4.5 mV/V, fixed
- 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 0.02%
- Connectors:**  
Binding posts suitable for banana plug or 14 gauge wire
- Temperature Coefficient:**  
±5 ppm/°C
- Dimensions:**  
(W x L x H) 4.5 in x 3.5 in x 1.25 in (114.3mm x 88.9mm x 31.8mm)
- Warranty:**  
One-year limited warranty

### Specifications:

- Vernier:**  
Two ranges; one is equal to the sum of the 0.05 mV/V switch and the 0-0.5 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= 700Ω, X1= 350Ω (one standard load cell), X4= 87.5Ω (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:**  
0-3 mV/V in 0.01 mV/V steps
- LED Annunciators:**  
EXC +  
EXC –  
Offset ON  
0.5 mV/V  
0.1 mV/V