

## **Standard Features:**

- · Two metal mounting brackets
- Three stages of protection: Gas discharge tube, series resistor and Transient Voltage Suppressor (TVS)
- · Two terminal posts for ground
- RS-232 high energy surge protector
- · Terminal blocks for transmit, receive, request to send, clear to send and signal ground

## Part Number/Price

| Part# | Description | Price    |
|-------|-------------|----------|
| 69201 | TP232       | \$175.00 |

# **Options/Accessories**

| Part# | Description                    | Price   |
|-------|--------------------------------|---------|
| 17778 | 12 in ground strap             | \$12.00 |
| 17781 | 24 in ground strap             | \$16.00 |
| 69516 | Additional installation manual | \$6.00  |

# **Specifications:**

## Clamping Voltage (Stage One):

72 VDC minimum, 108 VDC maximum

### Series Resistance (Stage Two):

2.7 ohms

### Clamping Voltage (Stage Three):

14.3 V minimum, 15.7 V maximum

### **Clamping Time:**

Less than 5 x 10-9 seconds

### **Connectors:**

5 position terminal blocks

### **Dimensions:**

Approximately (L x W x H) 4.5 in x 3.3 in x 1.8 in (114.3 mm x 83.8 mm x 45.7 mm)

### Weight:

Approximately 0.42 lb (0.19 kg)

### Approvals:

CE marked

## **Applications:**

- Indicators
- Remote displays
- Printers
- Computers
- PLC

# Ranger 1



## **Standard Features:**

- · ABS plastic case, weighs less than 1 lb
- · Large vernier knob, smooth 10 turn potentiometer
- Ideal tool for troubleshooting a scale system, bench testing stability of indicators and setpoint simulation
- Binding posts are color coded to ISA S37.8 standard

## Part Number/Price

| Part# | Description                       | Price    |
|-------|-----------------------------------|----------|
| 68029 | Ranger 1 variable range simulator | \$145.00 |

## **Options/Accessories**

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

## **Specifications:**

### Range:

0-3 mV/V, variable

## Impedance:

700 ohms nominal

### Connectors:

Binding posts suitable for banana plug or 14 gauge wire

# Temperature Coefficient:

 $\pm 100$  ppm/°C

### **Dimensions:**

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

### Warranty:

One-year limited warranty