



Approvals



Part Number/Price

Part #	Description	Price
69201	TP232	Consult

Options/Accessories

Part #	Description	Price
17778	12 in ground strap	Consult
17781	24 in ground strap	Consult
69516	Additional installation manual	Consult

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
- Safe for use with computers and PLCs
- Also works with RS-485, RS-422 and 20 mA

Applications

- Indicators
- Remote displays
- Printers
- Computers
- PLC

Specifications

- Clamping Voltage (Stage One):**
72 V DC minimum, 108 V DC maximum
- Series Resistance (Stage Two):**
2.7 ohm
- Clamping Voltage (Stage Three):**
14.3 V minimum, 15.7 V maximum
- Temperature:**
Operating Range
0 °F to 122 °F (-18 °C to 50 °C)
- Clamping Time:**
Less than 5 < 10-9 seconds
- Connectors:**
Five-position terminal blocks
- Dimensions:**
(L × W × H)
Approximately 4.5 × 3.3 × 1.8 in
- Approvals:**
CE marked
- Warranty:**
One-year limited

Ranger 1

Variable Range Simulator



Part Number/Price

Part #	Description	Price
68029	Ranger 1 variable range simulator	Consult

Options/Accessories

Part #	Description	Price
21116	Cable (4 ft) with banana plugs	Consult

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

Specifications

- Variable Range:**
0 to 3 mV/V
- Impedance:**
700 ohm nominal
- Temperature:**
Operating Range
0 °F to 122 °F (-18 °C to 50 °C)
- Connectors:**
Binding posts suitable for banana plug or 14 gauge wire
- Temperature Coefficient:**
±100 ppm/°C
- Dimensions:**
(L × W × H)
4.5 × 3.5 × 1.25 in
(114 × 89 × 32 mm)
- Warranty:**
One-year limited

JUNCTION BOXES /
SIMULATORS