



SR Series Strip Chart Recorders



The SR Series Strip Chart Recorders provide long length recordings with maximum detail. Choose the model that suits your application.

Features/ Benefits:

- LCD alphanumeric display
- Adjustable chart speed (1/4 inch per hour to 2 inches per minute)
- Recording length: 2 hours to 40 days
- Over / Under Alarm with 100ma N.O. Relay and audible alarm
- Delay / No Delay Alarm
- Battery backup
- 220 V operation (optional)
- RS-232C port
- Use A inches or mm charts
- Field calibrated with user adjustment
- Free standing or wall mount

6 Models

SRB Temperature Recorder

Applications

- Refrigeration/ Freezer, Laboratory and Environmental applications
- Measures and records temperature in air, gas, liquids, powders, solids and semi-solids

Features/Benefits

- Temperature Ranges: -40°F to 150°F (-40°C to 60°C)
- Remote readings from up to 100 ft. (CABLE 10T optional)
- Programmable speed and temperature ranges

SRTH Temperature/ Humidity Recorder

Applications

- Monitor critical temperature and humidity simultaneously

Features/Benefits

- Temperature Ranges: -40°F to 150°F (-40°C to 60°C)
- Humidity Range: 0 to 100% RH
- Programmable speed and temperature ranges

SRJ J-Type Thermocouple Temperature Recorder

Applications

- Broad temperature range
- Measures and records temperature in air, gas, liquids, powders, solids and semi-solids

Features/Benefits

- Temperature Ranges: -40°F to 1000°F (-40°C to 500°C)
- Remote readings from up to 2000 ft. (Use TCW25, TCW50, TCW75, TCW100)
- Programmable speed and temperature ranges

SR420 4 to 20 ma and DC voltage Recorder

Applications

- Verification of process control loops

Features/Benefits

- Current Range: 0 to 20 mA
- Voltage Range: 0 to 5 VDC
- Programmable speed and current and voltage ranges

SRV AC Voltage Recorder

Applications

- Line voltage
- Intermittent voltage problems

Features/Benefits

- Voltage Range: 0 to 500 VAC, single phase
- Programmable speed and voltage ranges
- Use 3 recorders for 3 phase applications
- Use 3 SRVS for 3 phase applications

SRC AC Current Recorder

Applications

- Load distribution
- Compressor and fan run cycles

Features/ Benefits

- Current Range: 0 to 300 Amps AC, single phase (current probe included)
- Programmable speed and current ranges
- Use 3 recorders for 3 phase applications
- Use 3 SRCS for 3 phase applications



SEALED UNIT PARTS CO., INC.

PO Box 21, 2230 Landmark Place, Allenwood, NJ USA
732-223-6644 • Fax 732-223-1617
www.supco.com • info@supco.com

SR Series Common Specifications

| | | |
|-------------------------|---|--|
| Display | Alphanumeric LCD 16 Characters 2 Line | |
| Chart | Strip chart (20" x 4 3/4") | |
| Chart Speeds | 1/4 inch/hour 1 inch/hour 2 inches/hour 4 inches/hour 8 inches/hour 1/4 inch/minute 1/2 inch/minute 1 inch/minute 2 inches/minute | 1/2 cm/hour 2 cm/hour 4 cm/hour 8 cm/hour 16 cm/hour 1/2 cm/minute 1 cm/minute 2 cm/minute 4 cm/minute |
| Chart Speed Accuracy | +/- 1 % | |
| Alarm Delay Range | No Delay, 10 Min., 30 Min., 1 Hr. or 90 Min. | |
| Remote Alarm Connection | N.O. 48 VAC/DC, 0.1 Amp Dry Contacts | |

| | |
|-------------------------------------|---|
| Operating ambient temperature range | 32°F to 125°F (0° to 50°C) |
| Storage temperature | 0° to 125°F (-18° to 50°C) |
| Primary power | 115 VAC, 50/60 Hz Adapter (220-240 VAC, 50 Hz. optional) |
| Backup power | 8 AA alkaline batteries (not supplied) |
| Alternative power | 12 Volt vehicle operation with optional adapter |
| Power Consumption | 3.5 Watts Max. |
| Mounting | Vertical or Horizontal, Free Standing or Wall Mounted |
| Dimensions | 9.25" x 7.25" x 2" (235mm X 184mm X 51mm) |
| Weight | 2.5 lb. (1.3 kg) |

SR Series Specifications

| | SRB | SRJ | SRV | SRC | SR420 | SRTH |
|--------------|---|--|--|---|---|---|
| Range | -40°F to 150°F (-40°C to 60°C) | -40° to 1000°F (-40° to 500°C) | 0 to 500 VAC | 0 to 300 Amps AC using supplied clamp-on probe | 0.5.0 Volts DC 4-20ma DC | -40 to 150°F (0 to 60°C) 0 - 100% RH |
| Chart Ranges | -40°F to +60°F -40°C to +60°C +50°F to +150°F -30°C to +20°C 0°F to 100°F 0°C to +50°C | -40°F to +60°F -40°C to +60°C +0°F to +250°F -30°C to +20°C 50°F to 150°F 0°C to 50°C 0°F to 100°F 0°C to 100°C 0°F to 500°F 0°C to +500°C 0°F to 1000°F | 0 to 50 VAC 0 to 100 VAC 50 to 150 VAC 0 to 250 VAC 0 to 500 VAC | 0 to 10 AMP 0 to 50 AMP 0 to 100 AMP 50 to 150 AMP 0 to 250 AMP | 0 to 5.00 Volts +/- 0.01 Volt 0 to 100 mV +/- 1 mV 0 to 20 ma +/- 0.1 ma 4 to 20 ma +/- 0.1 ma | -40°F to +60°F -40°C to +60°C +50°F to +150°F -30°C to +20°C 0°F to 100°F 0°C to +50°C |
| Accuracy | +/- 2°F (+/- 1°C) | +/- 2°F (+/- 1°C) | +/- 0.5 VAC | +/- 5% | 0 to 5.00 Volts +/- 0.01 Volt 0 to 100 mV +/- 1 mV 0 to 20 ma +/- 0.1 ma 4 to 20 ma +/- 0.1 ma | +/- 2°F (+/- 1°C) +/- 2% (0 - 95% RH) |
| Probe | TP15 Temperature probe with 15' cable (cable extension is available) | 6' High Temperature Thermocouple Probe | 3' Voltage leads with Alligator clips | 0-300 Amp AC Current Probe | | KTH Temperature/ Humidity with 6' cable |
| Alarm Range | -40°F to +150°F (-40°C to 60°C) | -40° to +1000°F (-40°C to +500°C) | 0 to 500 VAC | 0 to 300 A | 0 to 20 ma (DC) 0 to 5 Volts (DC) 0 to 100 mV (DC) | 40° to +150°F (-40° to +60°C) 0 to 100% RH |

SR Series Accessories

| | SRB | SRJ | SRV | SRC | SR420 | SRTH |
|--|-----|-----|-----|-----|-------|------|
| ADTA Automatic Dialer | * | * | * | * | * | * |
| CABLE10H Extension cable for KTH | | | | | | * |
| CABLE10T 10' cable | * | | | | | |
| CABLE15 15 ft. cable for sensor probes | | | | | | * |
| CABLE25 25 ft. cable for sensor probes | | | | | | * |
| CABLE6 6 ft. cable for sensor probes | | | | | | * |
| CR4 Cable | * | * | * | * | * | * |
| CRPEN Black Pen | * | * | * | * | * | * |
| CRPENB Blue Pen | * | * | * | * | * | * |
| CRPENR Red Pen | * | * | * | * | * | * |
| GRT Power Adapter | * | * | * | * | * | * |
| CRT220 Power Adapter | * | * | * | * | * | * |
| CRT220UK Power Adapter | * | * | * | * | * | * |
| HTP5 6' high temperature thermocouple wire | | * | | | | |
| HTP5100 100' high temperature thermocouple wire | | * | | | | |
| HTP515 15' high temperature thermocouple wire | | * | | | | |
| HTP525 25' high temperature thermocouple wire | | * | | | | |
| HTP550 50' high temperature thermocouple wire | | * | | | | |
| KTH Temperature Humidity Probe | | | | | | * |
| RA25 Remote Alarm | * | * | * | * | * | * |
| SCR11 Strip Chart (American Scale) | * | * | * | * | * | * |
| SCR12 Strip Chart (Metric Scale) | * | * | * | * | * | * |
| SRMAL Low voltage/ ma leads | | | | | * | |
| SRVLA Voltage leads with Alligator clips | | | * | | | |
| TCW100 Type J Thermocouple Wire - 100' wire only | | * | | | | |
| TCW25 Type J Thermocouple Wire - 25' wire only | | * | | | | |
| TCW50 Type J Thermocouple Wire - 50' wire only | | * | | | | |
| TCW75 Type J Thermocouple Wire - 75' wire only | | * | | | | |
| TP15 15' wire with 4" stainless steel sensor | * | | | | | |

Note: Replacement current probe must be calibrated at factory.