

PART NUMBER

SPEC-1957

| TEMPERATURE (5 1/2 DIGITS) |          | RESOLUTION | 4-WIRE ACCURACY <sup>1</sup> |                  | TEMPERATURE COEFFICIENT |                      |
|----------------------------|----------|------------|------------------------------|------------------|-------------------------|----------------------|
| SPAN                       |          |            | ± (%rdg + counts)            | 1 YR., 18°-28° C | ± (%rdg + counts)/°C    | 0°-18° C & 28°-50° C |
| °C                         |          |            |                              |                  |                         |                      |
| -200.00° to                | 230.00°  | 0.01°      | 0.03 + 10                    |                  | 0.003 + 0.4             |                      |
| 230.00° to                 | 630.00°  | 0.01°      | 0.03 + 40                    |                  | 0.003 + 4               |                      |
| -220.00° to                | -200.00° | 0.01°      | 0.03 + 40                    |                  | 0.003 + 4               |                      |
| °F                         |          |            |                              |                  |                         |                      |
| -328.00° to                | 446.00°  | 0.01°      | 0.03 + 18                    |                  | 0.003 + 0.7             |                      |
| 446.00° to                 | 1100.00° | 0.01°      | 0.03 + 72                    |                  | 0.003 + 7               |                      |
| -360.00° to                | -328.00° | 0.01°      | 0.03 + 72                    |                  | 0.003 + 7               |                      |

<sup>1</sup>Autorange mode, excluding probe errors.

RTD TYPE: 100Ω platinum, DIN 43 760 or IPTS-68, programmable alpha and delta, 3- or 4-wire.

MAXIMUM LEAD RESISTANCE (each lead): 4-wire: 25Ω. 3-wire: 15Ω.  
 SENSOR CURRENT: 1mA rms maximum.  
 BENCH READING RATE: 1.2 readings/second.  
 MAXIMUM COMMON MODE VOLTAGE: 500V (42V with Model 1951 connected).  
 COMMON MODE REJECTION: Less than 0.005°C/volt at DC, 50Hz and 60Hz (100Ω unbalance, LO driven).  
 MAXIMUM ALLOWABLE INPUT: 360V peak, 250V rms.  
 ACCESSORIES SUPPLIED: Model 1951 Input Adapter, Model 8693 General Purpose/Immersion Probe (4-wire).  
 ACCESSORIES AVAILABLE:  
 Model 1951: Input Adapter  
 Model 8691: Connector Kit (enables connecting to 3- or 4-wire RTDs)  
 Model 8693: General Purpose/Immersion Probe (4-wire)  
 Model 8695: Surface Probe (4-wire)  
 Model 8696: Air/Gas Probe (4-wire)

NOTE:

ALL OTHER SPECIFICATIONS SAME AS MODEL 195. (SEE SPEC-195).

| LTR | REVISIONS     | APP. | DATE   | DRN. WZ  | DATE        |
|-----|---------------|------|--------|----------|-------------|
| A   | RELEASED 9066 | 3    | 3-1-83 | CKD. R.B | DATE 3-1-83 |
|     |               |      |        | APP.     | DATE        |
|     |               |      |        |          |             |
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SPECIFICATIONS

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