

DISCONTINUED!!!!!!!!!!!!!!!!!!!!!! SEE MODEL: NTM-0

PROCESS & CURRENT LOOP INPUT DIGITAL PANEL METER 3½ & 4½ DIGIT · RS232/422 · Peak & Hold · 3-State BCD · Digital Limit · Excitation/Compliance · Analog Output · PC Compatible	MODEL 207
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- FEATURES**
- Built-in 24VDC Compliance
 - Detects Transmitter Under, Over-range and Open/Short
 - Low Input Impedance and Wide Zero and Span
 - 1/8 DIN & NEMA Compatible Cut-Out
 - 3½, 4½ Digit LED Display with/wo Dummy Digit
 - 7 Power Inputs
 - MTBF: 100,000 Hours

CURRENT LOOP

DESCRIPTION: In addition to conditioning the input signal, the 207 has a built-in analog comparator (field adjustable) to detect when the input signal is out of range. When an out of range condition occurs, the 207 is switched to a flashing mode. It will flash the display and its over-range logic output is switched to logic 1 for external use. Factory adjustment of the detector is set at 10% below the false zero and 100% of full scale. The optional internal excitation source makes the 207 a complete process system Digital Panel Meter.

CONNECTOR(S): A standard screw type connector for power and signal input is used. The I/O ports (top board) have industry standard flat cable connectors according to the function. All mating connectors are supplied at no charge.

DISPLAY: High efficiency ±3½, ±4½ digit LED, with or without dummy digit. Dummy digit is programmable as x10 multiplier or alpha A, C, F, H, E, L, P, etc.

INPUT RANGES: Industry's most popular ranges are standard. Contact Otek for special input ranges or scaling.

EXCITATION (COMPLIANCE) AND ANALOG CONTROL OUTPUTS: The most popular combinations to match transducers are available. See Specifications & Ordering Information. The 4-20mA outputs are ideal for Proportional Control.

DIGITAL CONTROL OUTPUT OPTIONS

- Option 1: BCD PARALLEL TRISTATE NON-ISOLATED, TTL compatible, Bit addressable, with a 34 Pin Flat Ribbon connector.
- Option 2: BCD PARALLEL TRISTATE OPTO-ISOLATED to 1500VDC, TTL compatible bit addressable, with a 34 Pin Flat Ribbon connector.
- Option 3: DIGITAL PEAK & HOLD WITH RECALL holds and recalls the greatest positive and negative peak when enabled, otherwise it displays current data. A 34 Pin Flat Ribbon connector is included.
- Option 4: DIGITAL LIMIT compares internal BCD data to an external BCD word (Multiplex Format) from Thumbwheel Switches or any TTL source. Its two 1 amp SPDT relays (for over and under) control external loads. It is field programmable for hysteresis of 10 or 100 counts. A 34 Pin Flat Ribbon connector is supplied.
- Option 5: RS232C converts the "ULTIMA 200" to a data acquisition system. Up to 32 stations and baud rates from 150-19,200. See Model A81-2450.

Option 6: RS422 This is the high-speed, longer distance version of RS232C with same features. See Section 7 Model A81-2450.

Option 7: PARALLEL BCD WITH PEAK & HOLD: This option combines both options (1 & 3) on the same board.

Option 8: 8-BIT ENCODED BCD MUX: The output of the A/D (same as display) is presented on an 8 bit BUS containing the BCD (1, 2, 4, 8) plus over-range, under-range, and sign are encoded in 3 lines. A separate strobe BCD word line is included. This system is compatible to any 8 bit BUS system. Address selection is available.

Option 9: 8-BIT ENCODED BCD OPTO-ISOLATED: Same as option 8 except it is opto-isolated to 1500VRMS. Power requirement is 5VDC at 100mA.

POWER INPUTS: Seven options are available: 5VDC non-isolated, 120VAC, 50-60Hz & 240VAC, 50-60Hz isolated to 1200VDC or RMS, 10VAC, 40-400Hz non-isolated, 12VDC non-isolated, 7-32VDC non-isolated and 7-32VDC isolated.

CASE: U.L. approved ABS Polycarbonate 94VO rated. Meets 1/8 DIN and NEMA panel cut out requirements.

FULL SCALE, DECIMAL POINTS, AND OTHER ADJUSTMENTS are easily accessible by removing the bezel and filter.

TYPICAL CONNECTIONS



