Series 2000

PROGRAMMABLE UNIVERSAL

125 mm EXTRA LARGE DISPLAYS

INSTROTECH

INSTRUMENTATION AND PROCESS CONTROL

The Series 2000 are a range of extra large 3 to 5 digit LED array displays, 125 mm digit height, designed to be used in most process / temperature / weighing applications where high visibility and distant viewing is required. Using high intensity wide angle LED's in an IP65 enamelled steel housing ensures clear viewing distances of greater than 50 metres. For high ambient temperature conditions, an optional special coated glass window is available.

Typical applications include downtime, time and production control in large factories, the indication of load cell inputs, process signals such as temperature, pressure, level, and AC or DC voltages and currents.

FEATURES

- Excellent visibility with 125mm digits
- IP65 steel housing
- 999 to 99999 counts
- Universally adaptable to most DPM indicators
- Touch button programmable
- Analog output option with programmable zero & span
- RS232 & RS485 bus communication option

ENCLOSURE

Dimensions	:	600mm length, 300mm width, 120mm depth
Rating	:	IP65 industrial strength
Window	:	Perspex (optional heat resistant glass window on request)

OPTIONS

3000	Lineariser option
3001-P	2 alarm setpoints (solid state relays)
3001-M	2 alarm setpoints (electro-mechanical)
3002	RS 485 communications
3003	0 - 20 / 4 - 20 mA analog output
3004-P	1 alarm setpoint (solid state relays)
3004-M	1 alarm setpoint (electro-mechanical)
3005	True RMS AC input option
3006	Isolated input/output (order with 3002/3/7/13)
3007	0 - 10V analog output
3008	Galvanic isolated DC supply (12V / 24V)
3009	Parallel BCD output
3011	Ohms / tap input
3012	Peak hold
3013	RS 232 communications
3014	Auto zero / tare
3015	True differential input
3017	3 setpoints / alarms (solid state)
3018	4 setpoints / alarms (solid state)

SPECIFICATIONS

INPUT RANGES

Process Inputs (4001 / 5001 used internally)

Model No.	Digits
2302	3 Digit
2352	3 1/2 Digit
2402	4 Digit
2452	4 1/2 Digit

Thermocouple / PT100 Inputs (4003 used internally)

Model No.	Digits
2304	3 Digit Thermocouple Input
2305	3 Digit PT100 Input
2354	3 1/2 Digit Thermocouple Input
2355	3 1/2 Digit PT100 Input

Parallel BCD Inputs

Model No.	Digits
2001	Digit module
2301	3 Digit
2401	4 Digit
2501	5 Digit

Load Cell Inputs (4004 / 5004 used internally)

Model No.	Digits
2353	3 1/2 Digit
2403	4 Digit
2453	4 1/2 Digit

Pulse / Freq / Quadrature / Time Inputs (6100 used internally)

Model No.	Digits
2306	3 Digit
2406	4 Digit
2506	5 Digit

ELECTRICAL SPECIFICATIONS

For electrical specifications, input signal details, as well as the terminal connector assignments in the Extra Large Display, see the individual indicator operating manuals (e.g. Model 4001).

Standard DPM indicators are used and internally fitted for the internal signal conversion for the Extra Large Displays.

ORDERING EXAMPLE

Option modules (see page 1)

MODEL 2352 - 3001P - 3003

Input :	4 - 20 mA
Display :	0-100.0% (3 1/2 digit)
Aux Supply :	230 VAC
Retransmission :	4 - 20 mA = 0 - 100.0%
Setpoints :	2 setpoints with photomos relays

POWER SUPPLY

230 V AC	±10%, 47 Hz to 63 Hz, 25 VA maximum
110 V AC	±10%, 47 Hz to 63 Hz, 25 VA maximum
12 / 24 V DC	±10%, 2 A DC

GUARANTEE

This product is guaranteed against faulty workmanship or defective material, for a period of 3 (three) years from date of delivery by Instrotech.

Instrotech undertakes to replace without charge all defective equipment which is returned to it (transportation costs prepaid) during the period of guarantee, provided there is no evidence that the equipment has been abused or mishandled in any way.

Instrotech reserves the right to alter any specification without notice.

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