DC INSTRUMENT, 3½ DIGITS, ALLOWS THE READING TO BE DISPLAYED IN ENGINEERING UNITS FOR ANY DC VOLTAGE INPUT FROM 2 TO 600 Vdc, WITH FOUR RANGES SELECTABLE ON THE SIGNAL CONDITIONER BY PLUG-IN JUMPERS.

**SPECIFICATIONS**

DISPLAYS
3½ digits, 7 segment, red LED
HEIGHT
0.56" (14.2 mm.)
SYMBOLS
Selectable by jumpers
OVERRANGE INDICATION
Display flashes 1999
INPUT CONFIGURATION
Bipolar single
ZERO
Automatic
SPAN ADJUSTMENT
± 5 %
CONVERTER
Dual-slope, average value
POLARITY
Automatic ±
READ RATE
3.12 / sec.
RANGES
See table selection
HOLD
Optional
NOISE REJECTION NMR
50 dB, 50/60 Hz.
ACCURACY
0.05 % ± 1 count
SPAN TEMPCO
50 ppm.
ZERO TEMPCO
2.5 µV/°C.
OPERATING TEMPERATURE
0 to 50 °C (32 to 122 °F)
STORAGE TEMPERATURE
-40 to 80 °C (-40 to 176 °F)
WEIGHT
310 gr. (0.68 lb)
CASE MATERIAL
ABS, DIN 43700, black color
STANDARD POWER
115 Vac. ± 10 %, 50/60 Hz.
POWER CONSUMPTION
5.5 VA for AC.
ELECTRICAL CONNECTIONS
Push-in cable connectors
BURN-IN
24 h.

**FIG. 1**

**FRONT VIEW**

SPAN: ADJUST THE MAXIMUM READING.
OFFSET: NOT IN SERVICE.
SPAN ADJUSTMENT IS ACCESSIBLE BEHIND THE LOW DOOR.

**FIG. 2**

**REAR VIEW**

Isolated digital output (option)
SIGNAL INPUT
ANALOG OUTPUT (OPTION)
POWER SUPPLY
see instrument label

**FIG. 3**

**COMPONENTS VIEW**

**S1 SELECTOR**

<table>
<thead>
<tr>
<th>RANGE</th>
<th>CLOSE JUMPER</th>
<th>FACTOR K</th>
<th>IMPEDANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-2 Vdc</td>
<td>A</td>
<td>1</td>
<td>500 KΩ</td>
</tr>
<tr>
<td>0-10 Vdc</td>
<td>C</td>
<td>5</td>
<td>1 MΩ</td>
</tr>
<tr>
<td>0-100 Vdc</td>
<td>C, B</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>0-600 Vdc</td>
<td>C, D</td>
<td>250</td>
<td></td>
</tr>
</tbody>
</table>

NOTE: FOR THE DESIRED READING, DECIMALS MUST NOT BE CONSIDERED (134.7 WILL BE 1347) CLOSE THE APPROPRIATE DECIMAL POINT JUMPER (FIG.5), CORRESPONDING TO THE RANGE SELECTED.
OPTIONS AND POWER SUPPLIES AVAILABLE FOR DP18 Series

CONTROL OUTPUT/COMMUNICATION OPTIONS
Select a maximum of one option from each column

<table>
<thead>
<tr>
<th>OPTION</th>
<th>DESCRIPTION</th>
<th>OPTION</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCD</td>
<td>PARALLEL BCD, OPTOISOLATED</td>
<td>A01</td>
<td>ANALOG OUTPUT, 4 A SOURCE</td>
</tr>
<tr>
<td>R1</td>
<td>SERIAL SETPOINT, 3 Amp. Relays</td>
<td>A02</td>
<td>ANALOG OUTPUT, NA SOURCE</td>
</tr>
<tr>
<td>R2</td>
<td>DUAL SETPOINT, 3 Amp. Relays</td>
<td>A03</td>
<td>ANALOG OUTPUT, VOLTAGE</td>
</tr>
<tr>
<td>AP2</td>
<td>ISOLATED SERIAL OUTPUT- RS-232</td>
<td>A04</td>
<td>ANALOG PEAK HOLD</td>
</tr>
</tbody>
</table>

POWER SUPPLY OPTIONS

<table>
<thead>
<tr>
<th>POWER SUPPLY OPTIONS</th>
<th>POWER</th>
<th>POWER</th>
<th>POWER</th>
</tr>
</thead>
<tbody>
<tr>
<td>230 V 50/60 Hz</td>
<td>230 V 50/60 Hz</td>
<td>24 V 50/60 Hz</td>
<td>5V DC 40 mA</td>
</tr>
<tr>
<td>115 V 50/60 Hz</td>
<td>24 V 50/60 Hz</td>
<td>48 V 50/60 Hz</td>
<td>12 V DC 50 mA</td>
</tr>
<tr>
<td>24 V 50/60 Hz</td>
<td>48 V 50/60 Hz</td>
<td>5 V DC 40 mA</td>
<td>5 V DC 100 mA</td>
</tr>
</tbody>
</table>

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