DPi1701
Temperature & Process Input Graphic Display Panel Meter and Data Logger with Wireless Option

For complete product manual:
www.omega.com/manuals/manualpdf/M5021.pdf
Figure 1. View of DPi1701 Back Panel With USB & Wireless Options

Figure 2. Power & Mechanical Relay Output Connections

Fuse 1 = 100 mA(T)
Fuse 2 = 3 A(T)

Figure 3. Different Input Type Connections
Figure 4. RS232 Connections

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EXCITATION & ANALOG OUTPUT ARE NOT AVAILABLE

Figure 5. Excitation Voltage & Analog Output Connections

Figure 6. Configuration Menu Flow Chart
Operation

Figure 7. Display Screen Flow Chart

Figure 8. MAX/ MIN Flow Chart

Figure 9. Lock/ Unlock Flow Chart
**SPECIFICATIONS SUMMARY**

**GENERAL**
Thermocouple Accuracy
- Type J, Type K, Type E, Type T: 0.5°C (0.9°F)
- Type R & S: 2.5°C (4.5°F) or 0.5% of full scale

Thermocouple Range
- Type J: -100 to 760°C (-148 to 1400°F)
- Type K: -100 to 1260°C (-148 to 2300°F)
- Type E: -200 to 849°C (-328 to 1560°F)
- Type T: -200 to 400°C (-328 to 752°F)
- Type R & S: 100 to 1760°C (212 to 3200°F)

Thermocouple Warm up Period: 45 minutes
Thermocouple Zero Drift: 0.06°C/°C
Open Thermocouple Detection: Up scale
Thermocouple Lead Resistance: 100 ohms max.
RTD: 100 ohms Platinum, 2 or 3 wire, 0.00385 curve
RTD Accuracy: 0.5°C (0.9°F)
RTD Range: -200 to 850°C (-328 to 1562°F)
Open RTD Detection: Up scale
Process (Voltage or current)
Input Accuracy: 0.1% of Rdg
Voltage Input Range: 0 to 10 Vdc
Current Input Range: 0 to 20 mA and 4 to 20 mA
Sampling Rate: 4 samples per second
General Power: 90/240 Vac +/-10%, 50-400 Hz
Operating Conditions: 0 to 50°C (32 to 122°F), 90% RH non-condensing
Protection: NEMA-1/Type 1 Front bezel
Dimensions: 48H x 96W x 118mm D (1.89 x 3.78 x 4.65”)
Panel Cutout: 45H x 92mm W (1.772 x 3.622”)
Weight: 295 g (0.65 lbs)
Have the following information available BEFORE contacting OMEGA:
1. Purchase Order number under which the product was PURCHASED.
2. Model and serial number of the product under warranty, and
3. Repair instructions and/or specific problems relative to the product.

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2. Model and serial number of the product under warranty, and
3. Repair instructions and/or specific problems relative to the product.

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FOR WARRANTY returns, please have the following information available before contacting OMEGA:
1. Purchase Order number under which the product was purchased.
2. Model and serial number of the product under warranty, and
3. Repair instructions and/or specific problems relative to the product.

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1. Purchase Order number to cover the cost of the repair,
2. Model and serial number of the product, and
3. Repair instructions and/or specific problems relative to the product.

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