You Asked, We Delivered!
Future Design's DR 5000-OEM offers OEM's the best value in 2 pen circle chart recording.

Designed specifically for OEM use in temperature/humidity applications, the DR 5000 is a circular chart recorder like no other. Pen 1 is fully configurable while pen 2 offers 4-20mA or 1-5VDC inputs for humidity or other analog sensors.

The DR 5000 is the first recorder to “self document” setup configuration and can operate using standard or competitive charts, another first in the industry.

Eliminate “multi-vendor” chart inventories while reducing operator confusion. Protect your process with the DR 5000 battery backup option, continuous recording for up to 48 hours in the event of power loss.

The DR 5000 2 pen OEM recorder – the right choice for recording.

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### DR 5000-OEM Specifications

**Power**
- **Line Voltage:** 110/220VAC, 50/60Hz
- **Power Consumption:** 15 VA maximum

**Input**
- **Pen 1:**
  - Thermocouple (T/C): Type J, K, T, R, B, S,
  - RTD: PT 100 ohm RTD (385 curve)
  - **Linear:** 4-20 mA, 1-5 VDC, 0-5 VDC
  - **Range:** Per table in manual
- **Pen 2:**
  - **Linear:** 4-20 mA, 1-5 VDC, 0-5 VDC
  - **Common Mode Rejection:** > 120dB at 60 Hz
  - **Cold Junction Accuracy:** ± 0.2°C @ 25°C ambient
  - **Ambient Error:** ± 0.01% span/°C from 25°C ambient
  - **Isolation:** inputs share common ground on 2 pen units

**Recording**
- **Chart Size:** 10"
- **Recording Accuracy:** ± 0.5% of span (100 division span)
- **Sensor Break:** Full scale Pen < 10 seconds
- **Chart Speed:** Configurable
- **Input Filtering:** Programmable up to 120 seconds

**Options**
- **Battery Back up:** Up to 48 hours of recording (optional)
- **Ink Style:**

**Environmental and Physical**
- **Operating Temperature:** 0 to 60°C
- **Storage Temperature:** -40 to 65°C
- **Humidity:** 0-90% RH (non-condensing)
- **Vibration:** 0.3 to 100Hz @ 0.2g
- **Mounting:** ± 20 degrees of vertical
  ± 10 degrees of horizontal
- **Moldings:** Fire retardant Noryl w/ acrylic window
- **Panel Rating:** Nema 3 std (Nema 4 option)
- **Dimensions:** 14.0” (H) x 14.0” (W) x 3.8” (D)
- **Panel Cutout:** Industry Standard 12.7” x 12.7”
- **Weight:** 7 pounds maximum

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**Future Design Controls**
P.O. Box 1196 • Bridgeview, IL 60455
888.751.5444 • 888.307.8014 Fax
www.futuredesigncontrols.com
Ordering Information

Enter a number in each box which corresponds to the specifications you want when ordering the DR 5000-OEM.

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**Power Input**

1: 110/220VAC 50/60 Hz Selectable

**Recording Style**

5: 2 Pen Ink
   Pen 1: Universal Input - Pen 2: 4-20mA, 1-5VDC Only

6: 2 Pen Ink
   Pen 1: Universal Input - Pen 2: 0-5VDC Only

**Outputs**

0: None

**Display Options**

0: None

**Chart Options**

1: 10” Counterclockwise Rotation (standard)
2: 10” Clockwise Rotation

**Enclosure Options**

1: Nema 3
2: Nema 4
3: Platen Mount

**Special Options**

0: None
1: Battery Backup**

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**DR 5000**

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July, 2003

** 48 hours of continuous recording on ink style recorders. UL, CE, CUL