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Data Sheet

August 15, 2026

HONEYWELL

Honeywell DR4300

Honeywell DR4300 10-Inch Circular Chart Recorder The Honeywell DR4300 is a microprocessor-based circular chart recorder for one or two pens on a 10.24-inch chart. OEM Honeywell specification 44-01-03-04 rates universal inputs (thermocouple, RTD, mA, mV, V), optional PID control, Accutune II, Modbus, and NEMA 3 case construction. Food processing, environmental monitoring, furnaces/ovens, flow, water/waste, and packaging processes needing pen-drawn circular records. Universal thermocouple RTD and linear inputs The Honeywell DR4300 is a microprocessor-based circular chart recorder for one or two pens on a 10.24-inch chart. OEM Honeywell specification 44-01-03-04 rates universal inputs (thermocouple, RTD, mA, mV, V), optional PID control, Accutune II, Modbus, and NEMA 3 case construction. Food processing, environmental monitoring, furnaces/ovens, flow, water/waste, and packaging processes needing pen-drawn circular records. Universal thermocouple RTD and linear inputs Accutune II and fuzzy overshoot suppression



MODEL

**Honeywell
DR4300**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

DR4300

LISTING

<https://aumictechlabs.com/products/dr4300-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Honeywell DR4300 is a microprocessor-based circular chart recorder engineered for continuous process variable monitoring and control. It accepts universal inputs across thermocouple, RTD, and analog signal ranges, delivering measurement accuracy from $\pm 0.10\%$ to $\pm 0.50\%$ of span depending on configuration. The 10-inch (250 mm) circular chart platform

supports single or dual-pen operation with field-adjustable speed and range settings, backed by over 200 preprinted chart options and disposable fiber-tip ink cartridges. Technical Specifications Chart diameter: 10 inches (260 mm) Panel cutout: 322.5 × 322.5 mm Input types: 10 thermocouple types (J, K, T, R, S, B, E, W5W26, Ni Ni Moly), 100 ohm DIN RTD, linear inputs 4–20 mA / 0–20 mA / 0–20 mV / 0–50 mV / 0–100 mV / 0–200 mV / 0–1 VDC / 0–5 VDC / 1–5 VDC / 0–10 VDC Accuracy: ±0.10% to ±0.50% of span (varies by model configuration) Pen configuration: Single or dual Power supply: 100–240 Vac or 20–27 Vdc universal input Optional transmitter power output: 24 Vdc (supports up to two transmitters) Key Features Vacuum Fluorescent Display (VFD) for process variable or setpoint indication Dedicated configuration keypad with English language prompts Control algorithms: on-off, time proportioning, duplex time proportioning, PID, PD with manual reset, fuzzy logic, and manual reset high limit FM-approved limit alarm capability (high/low, manual reset) Output options: SPDT relays, solid state relay outputs, open collector outputs, 4–20 mA retransmission Alarm outputs: up to two per pen Optional six-digit totalizer per input for flow measurement applications Optional timer function RS485 Modbus RTU communication interface 2 digital inputs per pen for setpoint or output switching control NEMA 3 or NEMA 4 front face protection Typical Applications Data logging, process monitoring, temperature control, pressure recording, and flow totalization in industrial environments requiring continuous chart documentation and field-configurable control response. Compatibility & Integration Accepts standard thermocouple and RTD probes. Supports up to two optional external controllers. Retransmission of 4–20 mA input signals available. Modbus RTU enables integration with supervisory systems and industrial networks.

DR4300 Characteristics / Specifications

PARAMETER	VALUE
Model	DR4300
Instrument Type	Circular chart recorder
Number Of Inputs One Pen	1
Number Of Inputs Two Pen	2
Chart Diameter	10.24 inches (260 mm)
Chart Calibrated Width	4 inches (100 mm)
Pen Cartridge Line Length	more than 1000 ft (305 m)
Reference Accuracy 4 To 20 Ma Field Cal	16 μ A
Reference Accuracy 0 To 10 V Field Cal	10 mV
Reference Accuracy RtD 100 Ohm Field Cal	0.8 F (0.5 C) on -300 to 900 F range
Reproducibility	0.1 percent of span
Sampling Rate	every 1/3 second
Span Step Response Time	7 seconds maximum
Input Impedance Ma	250 Ohm
Input Impedance Vdc	200 kOhm
Input Impedance Other	10 MOhm
Digital Filter With Display	0 to 120 seconds adjustable
Common Mode Rejection	120 dB or 1 LSB at 60 Hz
Normal Mode Rejection	60 dB at 60 Hz
Electromechanical Relay Resistive	5 A at 120 Vac 2.5 A at 240 Vac
Solid State Relay Rating	0.8 A at 120 Vac
Current Output	21 mA maximum into 0 to 600 Ohm
Current Output Resolution	11 bits
Current Output Accuracy	0.5 percent full scale
Transmitter Power	24 Vdc plus or minus 6 percent (22.6 to 25.4 V) 100 mA maximum

PARAMETER	VALUE
Power Requirements Rated	100 to 240 Vrms 50/60 Hz
Power Consumption	20 W maximum
Ambient Temperature Rated	15 to 55 C
Relative Humidity Rated	10 to 90 percent RH
Weight	12 lb (5.4 kg)
Enclosure	molded foamed-Noryl NEMA 3 gasketed door
Front Panel Rating	IP65
Mounting	panel surface or 2-inch pipe
Modbus Baud Rate Maximum	19200
Modbus Link Length Maximum	4000 ft (1219 m)
Chart Speeds Basic	8 12 24 hours or 7 days
Chart Speeds With Display	1 to 744 hours selectable
Humidity	Rated: 10 to 90 percent RH

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Humidity	Rated: 10 to 90 percent RH
Model	DR4300
Instrument Type	Circular chart recorder
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Number Of Inputs Two Pen	2
Chart Diameter	10.24 inches (260 mm)
Chart Calibrated Width	4 inches (100 mm)
Pen Cartridge Line Length	more than 1000 ft (305 m)
Reference Accuracy 4 To 20 Ma Field Cal	16 uA
Reference Accuracy 0 To 10 V Field Cal	10 mV
Reference Accuracy RtD 100 Ohm Field Cal	0.8 F (0.5 C) on -300 to 900 F range
Reproducibility	0.1 percent of span
Sampling Rate	every 1/3 second
Span Step Response Time	7 seconds maximum
Input Impedance Ma	250 Ohm
Input Impedance Vdc	200 kOhm
Input Impedance Other	10 MOhm
Digital Filter With Display	0 to 120 seconds adjustable
Common Mode Rejection	120 dB or 1 LSB at 60 Hz
Normal Mode Rejection	60 dB at 60 Hz
Electromechanical Relay Resistive	5 A at 120 Vac 2.5 A at 240 Vac
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Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

environmental monitoring, furnaces/ovens, flow, water/waste, and packaging processes needing pen-drawn circular records.

Key Features

One- or two-pen fiber-tip recording

Universal thermocouple RTD and linear inputs

Optional integral PID or limit control

Accutune II and fuzzy overshoot suppression

Optional RS-485 Modbus communications

Technical Specifications

Technical Specifications

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Model	DR4300
Instrument Type	Circular chart recorder
Number Of Inputs One Pen	1
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Chart Diameter	10.24 inches (260 mm)
Chart Calibrated Width	4 inches (100 mm)
Pen Cartridge Line Length	more than 1000 ft (305 m)

Reference Accuracy 4 To 20 Ma Field Cal: 16 uA

Reference Accuracy 0 To 10 V Field Cal: 10 mV

Specifications

PARAMETER	VALUE
Reference Accuracy RtD 100 Ohm Field Cal	0.8 F (0.5 C) on -300 to 900 F range
Reproducibility	0.1 percent of span
Sampling Rate	every 1/3 second
Span Step Response Time	7 seconds maximum
Input Impedance Ma	250 Ohm
Input Impedance Vdc	200 kOhm
Input Impedance Other	10 MOhm
Digital Filter With Display	0 to 120 seconds adjustable
Common Mode Rejection	120 dB or 1 LSB at 60 Hz
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Notes

From Honeywell DR4300 Circular Chart Recorder Specification 44-01-03-04. Thermocouple reference accuracy varies by type and range; see OEM accuracy tables for field vs factory calibration columns. UL listing maximum temperature 50 C.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.