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Data Sheet

August 15, 2026

HONEYWELL

Honeywell DR45AT-1100-00-000-0-500000-0

The Honeywell DR45AT-1100-00-000-0-500000-0 is a solid digital recorder designed for industrial applications. It accurately captures and stores process data, ensuring reliable record-keeping and compliance. Features include intuitive configuration, a clear display, and secure data storage.



MODEL

**Honeywell
DR45AT-1100-00-
000-0-500000-0**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

**DR45AT-1100-00-
000-0-500000-0**

LISTING

<https://aumictechlabs.com/products/dr45at-1100-00-000-0-500000-0-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Honeywell DR45AT-1100-00-000-0-500000-0 is a 12-inch digital circular chart recorder from the DR4500A Truline series that captures and prints multi-channel process data on thermal paper. This microprocessor-based instrument generates its own chart grid, scales, timestamps, and trend lines without requiring pre-printed media, delivering $\pm 0.05\%$ full scale accuracy across industrial monitoring applications. Technical Specifications Recording & Display Chart size: 12 inches Accuracy: $\pm 0.05\%$ full scale One-pen stylus printhead for analog traces and alphanumeric data Real-time clock with date/time printing (hour, minutes, date, year) Automatic compensation for chart width variations due to ambient humidity changes Input Channels Up to four input channels Supported types: thermocouple (B, E, J, K, R, S, T, G, C, M, N), RTD (Pt100, Pt500), mV,

0–5 VDC, 4–20 mA, Radimatic/Radiamatic User-configurable input types and ranges Sensor break protection (upscale or downscale) available for many configurations Sampling rates: 3 times per second (1–2 inputs) or 3 times in 2 seconds (3–4 inputs) Control & Output Up to two versatile PID digital controllers Control modes: On-Off, PID-A, PID-B, PD with Manual Reset, or 3 Position Step Current proportional output: 4–20 mA (0–1000 ohm load) Two optional SPST electromechanical relays: 1 A @ 120 VAC, 0.5 A @ 240 VAC (resistive load) Digital I/O & Totalization Two digital inputs accepting dry contact closures or isolated solid-state contacts Remote control capability: automatic/manual switching, controller action reversal, autotune initiation One or two totalizers (DR45AT model); eight-digit display with multiplier; 14-digit chart printout Grand total printing at each major timeline Math & Power Eight math algorithms available, including summation ($A + B + C$) Power supply: 102–264 VAC (110/120/220/230/240 VAC nominal) Key Features Eliminates pre-printed chart requirements Logs operator changes in real-time Prints configurable alphanumeric data, time, and trend lines Versatile sensor input compatibility with user-selectable ranges Dual PID control with multiple action modes Typical Applications Food processing, pharmaceuticals, heat treatment, environmental testing, manufactured goods, water and wastewater treatment. Compatibility & Integration Supports thermocouple and RTD sensors across industrial temperature ranges. Remote digital inputs enable integration with facility automation and control systems.

DR45AT1100000000500000 Characteristics / Specifications

PARAMETER	VALUE
Model	DR4500 / DR45AT
Instrument Type	Truline circular chart recorder
Chart Diameter	12 inches (304.8 mm)
Chart Calibrated Width	4.62 inches (117.5 mm) Classic series reference
Maximum Analog Channels	4
Digital Indication Accuracy	1 digit
Input Impedance 4 To 20 Ma	250 Ohm
Input Impedance 0 To 10 Vdc	200 kOhm
Input Impedance All Others	10 MOhm
Source Impedance Rtd	100 Ohm per lead maximum
Sampling Rate 1 Or 2 Inputs	each input 3 times per second
Sampling Rate 3 Or 4 Inputs	3 times in 2 seconds
Input Filter	single-pole low-pass selectable off to 120 seconds
Span Step Response Time	6 seconds maximum with no filtering
Transmitter Supply Voltage	22 to 26 Vdc at input terminals
Transmitter Supply Current	50 mA dc at 24 Vdc
Pen Cartridge Line Length Classic	more than 1000 ft (305 m)
Case Door Standard	molded foamed-Noryl NEMA 3
Door Option Class	UL FM NEMA4X
Digital Displays	vacuum fluorescent alphanumeric
Controller Modes	Manual and Automatic
Power Class	universal AC powered industrial recorder
Communications	RS-485 Modbus enabled class
Operating Industry Focus	food pharmaceutical heat treatment environmental water waste
Mounting	panel industrial enclosure

PARAMETER	VALUE
Print Method Truline	heat-sensitive blank chart with printed timeline
Channel Pv Indicators	CHN 1 2 3 4
Alarm Indicators	ALM status LEDs
Engineering Units Display	configurable

General Specifications & Supplementary Characteristics

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Alarm Indicators	ALM status LEDs
Engineering Units Display	configurable Notes From Honeywell DR4500A Truline specification 44-45-03-14 and Classic Series 44-45-03-15 for shared mechanical/input figures. Queue SKUs DR45AT-... and DR450T-... are DR4500 family configurator strings; finer option codes belong on the faceplate/model selection guide.

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 and water/waste processes needing multi-trace circular records without pen-alignment offsets.	
Key Features	
Truline single-stylus multi-trace printing	
Up to four analog input channels	
Vacuum fluorescent operator displays	
Optional integral PID controller	
RS-485 Modbus communications capability	
Technical Specifications	
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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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<https://aumictechlabs.com>

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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.