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Data Sheet

August 15, 2026

HONEYWELL

Honeywell DR450T-1100-00-001-0-00-0111

The Honeywell DR4500 Truline Circular Chart Recorder is a reliable and accurate device for monitoring and recording industrial processes. It features a 12-inch circular chart, providing a clear visual representation of recorded data. This recorder accepts a variety of input signals, including temperature, pressure, and flow, making it suitable for diverse applications. With its solid construction and user-friendly interface, the DR4500 ensures dependable performance in demanding environments.



MODEL

Honeywell DR450T-1100-00-001-0-00-0111

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

DR450T-1100-00-001-0-00-0111

LISTING

<https://aumictechlabs.com/products/dr450t-1100-00-001-0-00-0111-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Honeywell DR450T-1100-00-001-0-00-0111 is a microprocessor-based circular chart recorder that captures up to four analog traces simultaneously on a single 12-inch (304.8 mm) heat-sensitive thermal chart. The instrument employs a one-pen stylus printhead to eliminate pen alignment errors and compensates for chart dimensional variations caused by temperature and humidity fluctuations. It records alphanumeric data including time, trend lines, range markings, process variable values, and trace identification on blank thermal paper, eliminating the need for pre-printed chart inventory. Technical Specifications Chart Format: 12-inch (304.8 mm) circular, blank heat-sensitive thermal paper Recording Channels: One to four analog input channels (model-dependent) Accuracy: $\pm 0.05\%$ full scale Input Signal

Types: Thermocouple (10 types), RTD (Pt100), 0–5 VDC, 0–10 VDC, millivolts (mV), 4–20 mA DC, Radimatic
Control Capability: Integral microprocessor PID controller (available on select models) with 1 or 2 control
loops Control Actions: On-Off, PID-A, PID-B, PD with Manual Reset, 3 Position Step Transmitter Power
Supply: 24 Vdc (all models) Communications: RS-485 Modbus RTU Alarms: Two relay outputs available
with defined contact ratings for resistive loads Digital Inputs: Two channels Proportional Output:
Available; includes autotune facility and duplex variations for heat-cool applications Totalization:
Software-configurable for flow and equivalent variables Key Features Single-stylus thermal printhead
eliminates multi-pen alignment drift Alphanumeric digital display showing PV, setpoint, controller output,
and deviation English-language configuration keypad interface Temperature and humidity compensation
for chart medium Microprocessor architecture supports flexible control configurations Typical
Applications Food processing, pharmaceutical manufacturing, heat treatment, environmental testing, and
water/wastewater treatment operations requiring continuous process documentation and closed-loop
control. Compatibility & Integration RS-485 Modbus RTU enables integration with supervisory control
systems and networked data acquisition environments.

DR450T1100000010000111 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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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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NIST-traceable calibration · SAM registered ·
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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.