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**Data Sheet**

August 15, 2026

HONEYWELL

# Honeywell DR45AT-1100-00-000-0-000000-0 (DR4500)

The Honeywell DR45AT-1100-00-000-0-000000-0 (DR4500) is a circular chart recorder, 1-2 pen, auxiliary pens, electronic flow integrator, 24-hour chart speed, 115 Vac.



## MODEL

**Honeywell  
DR45AT-1100-00-  
000-0-000000-0**

## CALIBRATION

**Available on  
request**

## CONDITION

**Used**

## STATUS

**In stock**

## RFQ / SKU

**DR45AT-1100-00-  
000-0-000000-0**

## LISTING

<https://aumictechlabs.com/products/dr45at-1100-00-000-0-000000-0-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

## This unit

The Honeywell DR45AT-1100-00-000-0-000000-0 (DR4500 Truline) is a microprocessor-based circular chart recorder engineered for continuous process monitoring across industrial sectors including food processing, pharmaceuticals, heat treatment, environmental testing, and water/wastewater treatment. This two-channel model features a Truline pen system that prints chart grids, scales, timestamps, and alphanumeric header data directly onto blank thermal paper, eliminating pre-printed chart inventory requirements and compensating for chart expansion or shrinkage due to humidity variations. Technical Specifications Model: DR45AT-1100-00-000-0-000000-0 Chart Size: 12-inch circular Input Channels: 2 (expandable to 4 in alternate configurations) Accuracy:  $\pm 0.05\%$  full scale Power Supply: 115 Vac, 102-132 VAC / 204-264 VAC (selectable) Input Voltage: 102-132 VAC / 204-264 VAC Power Consumption: 20 VA Frequency:

48–62 Hz Enclosure: NEMA 3 (NEMA 4X optional) Weight: 17.35 lbs Key Features Isolated inputs accommodate thermocouple, RTD, mV, 0–5 VDC, 4–20 mA, and Radimatic signals in any combination High-speed or standard pen options for chart annotation User-selectable upscale or downscale sensor break protection Zero time skew across simultaneous pen data points ensures synchronized timeline alignment Microprocessor-controlled printing of chart ID, pen range, units, and rotation rate Up to two PID digital controllers for process management RS485 Modbus RTU communication interface 20 Vdc external contact source for dry contact or isolated solid-state outputs Typical Applications Food processing, pharmaceutical manufacturing, heat treatment processes, environmental testing, industrial goods production, and water/wastewater treatment monitoring. Compatibility & Integration RS485 Modbus RTU enables integration with plant control systems. Configurable inputs support mixed signal types within multi-channel deployments. External digital controllers support closed-loop process regulation.

## DR45AT1100000000000000 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

| PARAMETER                         | VALUE                                                        |
|-----------------------------------|--------------------------------------------------------------|
| Model                             | DR4500 / DR45AT                                              |
| Instrument Type                   | Truline circular chart recorder                              |
| Chart Diameter                    | 12 inches (304.8 mm)                                         |
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| Maximum Analog Channels           | 4                                                            |
| Digital Indication Accuracy       | 1 digit                                                      |
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| 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                                         |
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| Transmitter Supply Voltage        | 22 to 26 Vdc at input terminals                              |
| Transmitter Supply Current        | 50 mA dc at 24 Vdc                                           |
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| Digital Displays                  | vacuum fluorescent alphanumeric                              |
| Controller Modes                  | Manual and Automatic                                         |
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| 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 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                                                                                    |                                                    |
| Technical 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           |

| PARAMETER                 | VALUE                                                        |
|---------------------------|--------------------------------------------------------------|
| Communications            | RS-485 Modbus enabled class                                  |
| Operating Industry Focus  | food pharmaceutical heat treatment environmental water waste |
| Mounting                  | panel industrial enclosure                                   |
| 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                                                 |

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.

### Available from Aumictech

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

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

#### Aumictech

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<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·  
30-day returns  
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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.