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Data Sheet

August 2, 2026

FLUKE

Fluke 2635A HYDRA Series II Data Bucket Datalogger

Fluke 2635A HYDRA Series II Data Bucket Datalogger The 2635A provides a portable stand-alone data acquisition and logging instrument from the Fluke HYDRA Series II family, designed for multi-channel measurement and long-term recording without a host PC. It combines 21 analog measurement channels with digital I/O, alarm outputs, and removable PCMCIA memory storage. Process and environmental monitoring; multi-point temperature and voltage logging; field data acquisition where PC tethering is impractical; alarm-driven event capture; long-duration bench or plant-floor recording with PCMCIA memory expansion. The 2635A provides a portable stand-alone data acquisition and logging instrument from the Fluke HYDRA Series II family, designed for multi-channel measurement and long-term recording without a host PC. It combines 21 analog measurement channels with digital I/O, alarm outputs, and removable PCMCIA memory storage. Process and environmental monitoring; multi-point temperature and voltage logging; field data acquisition where PC tethering is impractical; alarm-driven event capture; long-duration bench or plant-floor recording with PCMCIA memory expansion.

No photo

MODEL

Fluke 2635A

CALIBRATION

**N/A — off-catalog
OEM datasheet**

CONDITION

**See OEM
documentation**

STATUS

**Not listed on
Aumictech
inventory**

RFQ / SKU

2635A

LISTING

**Off-catalog — OEM dat
asheet only**

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

Features & description

From manufacturer datasheet

Features

- 21 analog channels (ch0 front jacks plus ch1–20 via Universal Input Module) • Measures DCV, ACV, resistance, frequency, thermocouple, and RTD inputs • 8 digital I/O channels plus alarm outputs and totalizer • PCMCIA memory card storage (256 KB standard; 1/2/4 MB options) • RS-232 serial interface; optional GPIB • AC 90–264 V or DC 9–16 V operation • Portable stand-alone logging without continuous PC connection

2635A Characteristics / Specifications

PARAMETER	VALUE
Model	2635A
Manufacturer	Fluke
Instrument Type	HYDRA Series II Data Bucket Datalogger
Analog Channels	21 (ch0 front; ch1–20 Universal Input Module)
Measurement Types	DC voltage, AC voltage, resistance, frequency, thermocouple, RTD
Digital I/O	8 digital I/O; alarm outputs; totalizer
Memory	PCMCIA card (256 KB standard; 1 MB, 2 MB, 4 MB optional)
Serial Interface	RS-232
AC Power	90 to 264 V
DC Power	9 to 16 V
Operation	Portable stand-alone data logging Standard Operating Conditions Install appropriate input modules and configure channel types before starting a logging session. Use specified PCMCIA cards and verify memory capacity for planned recording duration. Allow stable ambient conditions for precision thermocouple/RTD measurements.

2635A Specifications

PARAMETER	VALUE
Fluke 2635A HYDRA Series II Data Bucket Datalogger	Overview
Key Features	- 21 analog channels (ch0 front jacks plus ch1–20 via Universal Input Module)
Technical Specifications	Model: 2635A

General Specifications & Supplementary Characteristics

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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; multi-point temperature and voltage logging; field data acquisition where PC tethering is impractical; alarm-driven event capture; long-duration bench or plant-floor recording with PCMCIA memory expansion.

Key Features

- 21 analog channels (ch0 front jacks plus ch1-20 via Universal Input Module)
- Measures DCV, ACV, resistance, frequency, thermocouple, and RTD inputs
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- PCMCIA memory card storage (256 KB standard; 1/2/4 MB options)
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Technical Specifications

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Serial Interface	RS-232

Optional Interface: GPIB

Specifications

PARAMETER	VALUE
AC Power	90 to 264 V
DC Power	9 to 16 V
Operation	Portable stand-alone data logging

Standard Operating Conditions

Install appropriate input modules and configure channel types before starting a logging session. Use specified PCMCIA cards and verify memory capacity for planned recording duration. Allow stable ambient conditions for precision thermocouple/RTD measurements.

Operational Notes

Distinguish 2635A from related HYDRA models 2620A and 2625A, which differ in channel count and feature set. Confirm installed Universal Input Module and optional GPIB before quoting interface capability. Alias 2635A.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: N/A — off-catalog OEM datasheet. See OEM documentation · Not listed on Aumictech inventory.

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

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<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.