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Data Sheet

August 2, 2026

FLUKE

Fluke 2686A Stand-Alone Datalogger. Data Acquisition up to 120 channels

Fluke 2686A Stand-Alone Datalogger. Data Acquisition up to 120 channels The Fluke 2686A isaHydra Series III standalone networked data logging chassis supporting 20 to 120 universal analog input channels via plug-in modules, with removable ATA flash memory for stand-alone operation without live network connection. Remote and mobile data logging where Ethernet is unavailable or undesirable; multi-channel temperature, voltage, and process monitoring with universal input modules; stand-alone environmental and validation logging with preset configurations on memory card; networked data acquisition when used with Fluke DAQ software and optional LAN connectivity. The Fluke 2686A isaHydra Series III standalone networked data logging chassis supporting 20 to 120 universal analog input channels via plug-in modules, with removable ATA flash memory for stand-alone operation without live network connection. Remote and mobile data logging where Ethernet is unavailable or undesirable; multi-channel temperature, voltage, and process monitoring with universal input modules; stand-alone environmental and validation logging with preset configurations on memory card; networked data acquisition when used with Fluke DAQ software and optional LAN connectivity.

No photo

MODEL

Fluke 2686A

CALIBRATION

**N/A — off-catalog
OEM datasheet**

CONDITION

**See OEM
documentation**

STATUS

**Not listed on
Aumictech
inventory**

RFQ / SKU

2686A

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

- Scalable 20 to 120 analog input channels per chassis
- Six module slots (five analog + optional sixth analog or DIO/relay)
- Stand-alone logging to removable ATA PC Card (PCMCIA) flash memory
- Up to 60 computed channels per scan
- Universal input modules: precision (PAI) or fast scan (FAI) types
- Optional digital I/O and relay module (slot 6)
- Interval, external, and alarm-triggered scan logging
- Compatible with Fluke DAQ software for configuration and networked operation

2686A Characteristics / Specifications

PARAMETER	VALUE
Model	2686A
Manufacturer	Fluke (Fluke Calibration heritage)
Instrument Type	Data Logging System Chassis (Hydra Series III)
Series	2680 Series
Analog Channels	20 to 120 (module dependent)
Computed Channels	up to 60 per scan
Module Slots	6 (slots 1–5: analog input modules; slot 6: analog or DIO/relay)
Analog Input Modules	2680A-PAI (precision, 18-bit, 300 V isolation) or 2680A-FAI (fast scan, 16-bit)
Digital I/O Module	2680A-DIO (20 DIO, 8 formCrelays, totalizer; slot 6 only)
Memory Interface	ATA PC Card (PCMCIA); accepts cards up to 2 GB (OEM manual); brochure cites up to 4 GB support
Scan Triggers	interval timer, external trigger input, alarm trigger
Input Types (via modules)	V dc, V ac, ohms, frequency, RTD, thermocouple, thermistor, current
Power	100 to 240 V AC and 9 to 45 V DC (chassis class per Fluke 2680 series)
Universal input modules	precision (PAI) or fast scan (FAI) types

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 and validation logging with preset configurations on memory card; networked data acquisition when used with Fluke DAQ software and optional LAN connectivity.

Key Features

- Scalable 20 to 120 analog input channels per chassis
- Six module slots (five analog + optional sixth analog or DIO/relay)
- Stand-alone logging to removable ATA PC Card (PCMCIA) flash memory
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Technical Specifications

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Stand-Alone Storage: DOS-compatible logged scan records with timestamp and configuration copy on card

Specifications

PARAMETER	VALUE
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Input Types (via modules)	V dc, V ac, ohms, frequency, RTD, thermocouple, thermistor, current
Power	100 to 240 V AC and 9 to 45 V DC (chassis class per Fluke 2680 series)

RS-232: calibration and maintenance port

Standard Operating Conditions

Configure module mix and scan lists before deploying for stand-alone logging. Ensure ATA flash card is formatted and capacity is adequate for expected scan rate and channel count (OEM estimates approximately 80 bytes per scan plus 4 bytes per channel scanned). Operate within module-specific isolation and overvoltage ratings.

Operational Notes

2686A differs from 2680A primarily by integrated PC Card stand-alone logging; both share the same modular channel architecture. Slot 6 accepts only the DIO/relay module when digital control is required-analog modules occupy slots 1-5. Preset configurations on the memory card enable field redeployment without a connected PC. Alias 2686A (hyphenless) appears in inventory systems.

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

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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.