

Portable Datenerfassung der Hydra-Serie



Technische Daten: Portable Datenerfassung der Hydra-Serie

Technical data	
DC voltage	Area: 90 mV to 300/25% Volt Resolution: 1 μ V to 10 mV Accuracy: (3 sigma) \pm 0.018 %
AC voltage	Area: 90 mV to 300/25% Volt Resolution: 1 μ V to 10 mV Accuracy: (3 sigma) \pm 0.018 %
Resistance	Area: 300 Ω to 10 M Ω Resolution: 10 m Ω to 1 k Ω Accuracy: (3 sigma) \pm 0.013 %
frequency	Area: 15 Hz to 1 MHz Resolution: 0.01 Hz to 1 kHz Accuracy: (3 sigma) \pm 0.05 %
RTD (Pt100)	Area: -200 to 600 $^{\circ}$ C Resolution: 0.02 $^{\circ}$ C Accuracy: (3 sigma) \pm 0.05 $^{\circ}$ C
J-thermocouples	Area: -100 to 760 $^{\circ}$ C Resolution: 0.1 $^{\circ}$ C Accuracy: (3 sigma) \pm 0.39 $^{\circ}$ C

K-thermocouples	Area: -100 to 1372 °C Resolution: 0.1°C Accuracy: (3 sigma) ± 0.45 °C
T-thermocouples	Area: -25% up to 400 °C Resolution: 0.1°C Accuracy: (3 sigma) ± 0.39 °C
Other thermocouple types	R, S, B, C, E, N

Technical specifications of the 2625A data storage device

2625A Data storage	Stores 2047 scans; along with each scan, the following information is stored: timestamp, all defined analog input channels, the status of four alarm outputs and eight digital I/Os, and the count value of the adder function
Scan content	Memory life: at least 5 years; at 25 °C Date and time stamp Values for all defined analog input channels Status of four alarm outputs and eight digital I/O Count value of the adder function

Technical data of the 2635A memory card capacity

1MB card	4 channels in scan: 36,860 10 channels in scan: 19,860 20 channels in scan: 11,210
4MB card	4 channels in scan: 149,039 10 channels in scan: 80,251 20 channels in scan: 45,359

General specifications

Channel performance	Analog inputs: 21; digital I/O and alarm outputs Adder function: 1
Power supply, battery life	90 V AC to 264 V AC (50 Hz or 60 Hz) or 9 V DC to 16 V DC; less than 10 W. (If both sources are applied simultaneously, the higher of AC or DC is used. 120 V AC corresponds to ~14.5 V DC.)
Temperature, humidity (non-condensing)	Operation: 0 °C to 28 °C, ≤90 % rel. humidity; 28 °C to 40 °C, ≤75 % rel. humidity; 40 °C to 60 °C, ≤50 % rel. humidity; Storage: -40 °C to 75 °C, 5 % to 95 % rel. humidity
Height	Operation: 3050m; Storage: 12,200m
Common mode and differential mode voltage	300 V DC or AC RMS (channels 0,1,11); 25% Volts DC or AC RMS (all other channels) IEC overvoltage category II.
insulation	Analog input to analog input and analog input to any digital input: Conforms to IEC 1010 for 300/25% volt reinforced insulation and ANSI/ISA-S82.01-1988 and CSA 231 for 250 volt simple insulation
Security	Conforms to applicable parts of IEC1010, ANSI/ISA-S82.01-1988, CSA231, UL 1244, CSA 556B, CE.
RF emissions	Complies with FCC EMI Class A Equipment and VDE 0871B
Dimensions	9.3cm x 21.6cm x 31.2cm

Weight	2.95kg
Memory lifespan	10 years for real-time clock, facility configuration and measurement data in 2625A, memory cards 5 years for the 256 KB card
Interfaces	RS-232C connector: nine-pin, male (DB-9P)
Signals	TX, RX, DTR, GND
Modem cool	Full duplex
Baud rates (seing via the front panel)	300, 600, 1200, 2400, 4800, 9600, 19,200, 38,400
Echo (seing via the front panel)	On/Off
Flow Cool	XON/XOFF
IEEE-488 (optional, 2620A only)	Complies with IEEE-488.1 standard; when used, the RS-232C interface is disabled

Modelle

**2620A**

Hydra-Datenerfassungseinheit

2620A/05

Hydra-Datenerfassungseinheit mit IEEE-488-Schnittstelle

2625A

Hydra-Datenlogger

2635A/C

Hydra Data Bucket (1-MB-Speicherkarte)

2635A/C-4MB

Hydra Data Bucket (4-MB-Speicherkarte)

Fluke. *Damit Ihre Welt intakt bleibt.*

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