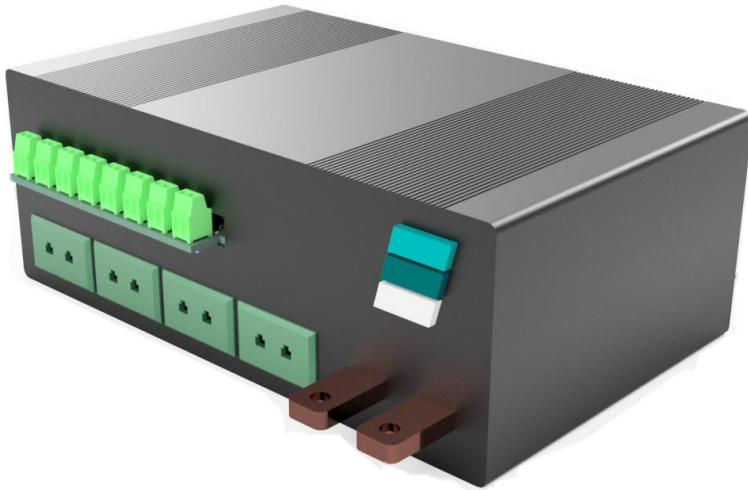


GFS Datalogger Advanced



TECHNICAL DATA SHEET



General Description

Our High Precision Data Logger, equipped with a 24-bit ADC, is designed for accurate and reliable data acquisition. This versatile device supports a variety of measurement inputs, making it ideal for comprehensive monitoring and data logging applications. The data logger connects to a PC via USB and requires a 5V power supply, ensuring a plug-and-play setup for ease of use. Compatible with our Software Cellflow.

Features

- **Voltage Measurement:**
 - **7 Inputs:** Voltage measurement range from -5V to 5V.
 - **1 Input:** Voltage measurement range up to 10V.
- **Current Measurement:**
 - **1 Input:** Current measurement range from -51 to 51A.
- **Temperature Measurement:**
 - **4 Inputs:** Designed for Type K thermocouples for accurate temperature readings.
- **Connectivity:**
 - **PC Connection:** USB interface for easy data transfer and device control via our Software Cellflow
 - **Power Supply:** Requires a 5V power supply.
- **Ease of Use:**
 - **Plug and Play:** Simple setup and operation with no additional configuration required.
- **High Resolution:** 24-bit ADC ensures highly accurate and detailed measurements.
- **Versatility:** Suitable for various applications requiring voltage, current, and temperature monitoring.
- **User-Friendly:** Easy integration and setup for seamless operation in different environments.

This High Precision Data Logger is ideal for applications demanding high accuracy and reliability, offering comprehensive measurement capabilities with advanced sensor support, all in a user-friendly plug-and-play package.

GFS Datalogger Advanced



TECHNICAL DATA SHEET

Specifications

General Information		Designed for electrolysis and fuel cells data logging
Power Supply		5V
Data Transfer		USB Type B
Control		Via Software Cellflow
Connectivity	Voltage	Screw Terminal with max. 1mm ²
	Current	Ø6mm banana socket
	Temperature	Type K socket
Size		150 x 93 x 55 mm

Voltage Measurement		Designed for electrolysis and fuel cells data logging
Resolution		24 bit
Gain Options		Programmable (1,2,4,8,16,32,64)
Accuracy	Channel 1-7	max deviation 100µV
	Channel 8	max deviation 800µV
Measuring Range	Channel 1-7	-5V / 5V
	Channel 8	-10V / 10V

Current Measurement		Designed for electrolysis and fuel cells data logging
Resolution		24 bit
Measuring Range		-51A / 51A
Accuracy		max. deviation 170mA at 15A

Temperature Measurement		Designed for electrolysis and fuel cells data logging
Resolution		24 bit
Measuring Range		-25°C / 400°C
Accuracy		max. deviation 2°C