

Enviro-5TM Data Logger



Features:

- Variety of sensor interfaces
 - 17 Temperature
 - 2 Relative Humidity (Rh)
 - 2 Pressure
 - 1 Gas Flow
 - 1 CO₂
 - 8 User Defined
- 14 bit accurate measurement
- LAN and USB host interfaces
- Remote network support
- Excitation voltage for sensors
- Compatibility with EnviroLog software



Applications:

- Diving Chamber Test
- Building Automation
- Food and Beverage Production
- Warehousing and Storage

Benefits:

- Replace multiple data loggers
- Overall cost reduction
- Rugged, light weight and portable
- Modular networkable
- Seamless Microsoft Excel interface
- User Definable Channels

System overview

Enviro-5TM Data Logger is designed for applications that require multi-channel data acquisition from a variety of environmental sensors. This compact data logger accommodates 31 channels interfaced to the following sensors: 17 temperature, 2 relative humidity (Rh), 1 low pressure, 1 high pressure, 1 CO₂, 1 gas flow and 8 user defined. The 8 user defined channels are usable for various types of customized sensors. The port connectors of the Data Logger also have a “Quick Connect” (QC) design making possible fast interconnection/disconnection between the Data Logger and sensors, allowing for an easy and quick set-up within minutes. Interface to the host computer is provided through a 10/100 Ethernet LAN and/or USB 2.0 port.

EnviroLogTM is the compatible application software for the Enviro-5 Data Logger. It is a powerful data logging software with a user-friendly interface which works under Windows XP operating system. The user can freely select and configure specifically desired channels, activate time stamping on any channel, write comments on any channel, customize the name of any channel and set an off-set value for the calibration of any channel. Moreover, the user can record files with unlimited length, or record sequential files in specified time intervals. Since the EnviroLog software has a seamless interface to Microsoft Excel, it can stream all the data directly to an Excel spread-sheet. The user can keep EnviroLog application in the background while simultaneously opening Microsoft Excel in the forefront to observe and analyze data. EnviroLog version 4 can collect data from two Enviro-5 Data Loggers and thus from a total of 62 channel of sensor. Version 5 on the other hand is designed to collect data from four Enviro-5 Data Loggers, meaning from up to 124 channels.

Specifications:

Model	Enviro-5	
Sensor Ports	Connection Type	Quick Connect (QC)
	Temperature Sensor	17 ports
	Relative Humidity (Rh) Sensor	2 ports
	High Pressure Sensor	1 port
	Low Pressure Sensor	1 port
	CO ₂ Sensor	1 port
	Gas Flow Sensor	1 port
	User Defined	8 ports
Software compatibility	EnviroLog	Version 4 (for up to 2 Modules) Version 5 (for more than 2 Modules)
Host Interfaces	Networking (LAN)	Ethernet 10/100 Mbs, RJ45 Port
	Non-Networking	USB 2.0
Compatible Power Supply	PS565 Model 2455	4 Pins Screwed DIN Connector output voltage: +24, +5, -5 V
Physical	Dimensions	105x65x222 mm
	Weight	1.1 Kg



Neurotech Pte Ltd

3791 Jalan Bukit Merah, 06-10 E-Centre@Redhill, Singapore 159471

Tel:+(65)6272-2766, Fax:+(65)6272-9577, www.neurotech.com.sg