

KDI FlexDAQ[®] USB Data Acquisition System

KDI FlexDAQ

KDI FlexDAQ M1608U

- Accepts up to 8 FlexDAQ IO modules
- USB connection to PC
- Onboard memory and CPU
- High quality anodized aluminum case
- Works with 220VAC (power supply included)



KDI FlexDAQ IO Modules

- Wide choice of IO including DI, DO, AI & AO cards
- Up to 128 channels per chassis
- 12-bit resolution
- Custom made cards available for your specific application

Operating System

- Windows 2000/XP

Recommended Software

- LabVIEW

Overview

KDI FlexDAQ is a user configurable multi-function data acquisition and control system with USB connectivity that gives the users, an inexpensive solution to data acquisition applications such as temperature, humidity, pressure, flow, biomedical signals, level measurement etc...

The modular design can measure up to 128 channels of various signals. The broad range of available IO cards gives the users a free choice of signal inputs and outputs.

KDI FlexDAQ motherboard's onboard memory and CPU ensures a precise and independent measurement of signals even when not connected to PC or when the PC is turned off, though makes it an ideal solution for long time data logging applications like cleanroom condition monitoring.

FlexDAQ IO Modules

| Type of Signal | Signal | Module | Channels | Special Features | Connectivity |
|----------------|------------------------------|------------|----------|-------------------------------------|-----------------|
| Analog Input | 0-20mA | 16CI020 | 16 | High CMRR, low noise 12-bit | Screw Terminals |
| Analog Input | ±15V | 16VI10VRMS | 16 | High speed, 12-bit | Screw Terminals |
| Analog Output | 0-10V 4-20mA | 08CO420 | 8 | 12-bit, current and voltage outputs | Screw Terminals |
| Digital Input | Switch Input | 16SWI | 16 | Opto-Isolated switch inputs | Screw Terminals |
| Digital Output | Electromechanical SPDT Relay | 08RLY03 | 8 | 5A, 250VAC SPDT relay outputs | Screw Terminals |

Key Features

- Small, modular data acquisition system for industrial measurements
- USB plug-and-play connectivity to PC
- Autodetectable FlexDAQ IO modules
- Onboard memory to save data when the PC is off or not connected to FlexDAQ
- Onboard RISC CPU to perform data acquisition and control tasks, independent of PC



The Ultimate Digital

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