New Product Announcement

Panel Meter Communication Library for LabVIEW™

Overview

Many panel meters have serial communication capability. Communication between National Instruments LabVIEW™ and panel meters gives enhancements such as the ability to log and trend input values or to remotely change configurations, while maintaining operator readout at the point of measurement.

This VI library contains VIs (Virtual Instruments) and example code for implementing communication between LabVIEW and one or more Red Lion® Controls* CUB5 series panel meters via RS-485 serial bus. USB or RS-232 serial are also supported. A single instance of LabVIEW running on a PC can access multiple panel meters and other devices throughout an installation via the RS-485 bus to provide a central view or coordinated control and data acquisition capability at very low cost.

The VI library turns RS-485 communication into a "drag-n-drop" coding process without worrying about synchronizing timing or remembering register

addresses. Labor-saving, device-specific palettes of VIs provide quick access to needed features. Friendly controls and typedefs eliminate having to remember command options and interpreting responses. Supports CUB5 series panel meters including:

- CUB5 counter
- CUB5T timer
- CUB5V DC voltage meter
- CUB5I DC current meter
- CUB5RT temperature meter
- CUB5P process meter (4-20mA).

Features

- RS-485 serial port management
- Read inputs and write setpoints
- Read rates and cycle counts
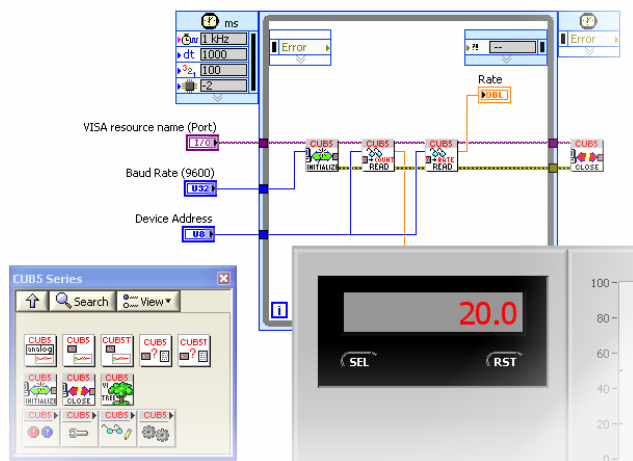- Configure controller modes and settings
- Monitor alarm conditions

Applications

- Tachometers, Flow meters, Scales
- Batch management, Item counting
- Multiple configurations
- Supervisory control
- Monitoring and data acquisition
- Process control
- Laboratory test applications
- OEM software

More Information

- Supports LabVIEW™ 8.0 and later
- Read about example applications, user manual, FAQs: http://www.integratedpro.com
- 30 day money back satisfaction guarantee. For use on a single computer. Please contact us if you need volume licensing or a redistributable library.

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