

PACKAGE ID - 000628AL00000 OPTO-22 DRIVER

KWIC TITLE - OPTO-22 Driver for LabView

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LIMITATION CODE -UNL **AUDIENCE CODE** - UNL

COMPLETION DATE - 01/28/1991 **PUBLICATION DATE** - 01/28/1991

DESCRIPTION - OPTO-22 DRIVER consists of a set of LabVIEW (National Instruments, Austin, TX) virtual instruments (VIs) that handle low-level communications with signal conditioning equipment by Opto-22 (Huntington Beach, CA). The OPTOMUX protocol is support, which requires the use of a serial port and supports multidrop communications. With this package, users can connect hundreds of Opto-22 modules to their LabVIEW system and access all features of the hardware, including analog and digital input and outputs.

PACKAGE CONTENTS - Media Directory; Software Abstract; Media Includes Source Code;

SOURCE CODE INCLUDED? - Yes

MEDIA QUANTITY - 1 3.5 Diskette

METHOD OF SOLUTION - The driver uses LabVIEW's built-in serial port to communicate with Opto-22 modules using their standard protocol.

COMPUTER - APPLE MACINTOSH

OPERATING SYSTEMS - MACINTOSH

PROGRAMMING LANGUAGES - LABVIEW

SOFTWARE LIMITATIONS - Supports up to 255 multiplxers, each with up to 16 modules. Throughput is limited only by the speed of the serial port.

SOURCE CODE AVAILABLE (Y/N) - Y

RELATED SOFTWARE - Requires LabView 2.2.1 for Macintosh (National Instruments, Austin, TX).

OTHER PROG/OPER SYS INFO - This is a low-level driver package only, and as such requires the writing of a higher-level LabVIEW program to orchestrate all I/O activity.

HARDWARE REQS - Macintosh SE30 or higher, 5MB RAM, hard disk.

REFERENCES - Opto-22 B1/B2 Brain Board Reference Manual, Opto-22, Inc., Huntington Beach, CA.

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REFERENCES - (CONT)

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SUBJECT CLASS CODE - T

KEYWORDS -

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O CODES
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SIGNAL CONDITIONERS

EDB SUBJECT CATEGORIES -

990200

SPONSOR - DOE/DP

PACKAGE TYPE - SCREENED