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Data Sheet 5.51-6/3

Digital I/O Module for HiRES Transient Recorder, Type HiRES Data

Application

The HiRES Data is designed for in- and output of control signals into and from the HiRES measuring system. It monitors and controls external hardware, test equipment or settings/functions of the devices under test. Equipped with this module the HiRES can be used as fully automatic test sequencer. The module is connected to a special connector on the motherboard (one per motherboard possible).

Main features

- 4 input and 4 output channels on each board (more available on request)
- Allows automated test and measuring procedures
- I/O Channels provide either optical (ST or optionally FSMA) and electrical, potential-free ports
- Special version to control up to four HiRES Rotary Encoders to measure mechanical data

Table 1: Main parameters

Characteristics of electrical output	Max. 60 V, 0.5 A
Time resolution for control events	500 ns
Characteristics of electrical input	TTL-Level (0...5 V, state switches at approx. 1V)