

## ■ Incremental Counter Card PCI 1389-S01

### **Highlights**

- Two 32-Bit Incremental Up/Down Counter
- One 16-Bit Reference Counter
- 1-, 2- and 4-fold Mode or Event Counting
- Evaluation of the Counter Values by Timer Intervals with 5- or 10 MHz Resolution
- Optical Isolation
- PCI 2.2 compatible



### **General**

The counter card PCI 1389-S01 has two 32-Bit incremental up/down counter. The input channels of these counters are provided with isolated RS422 interfaces. In addition there is one 16-Bit reference counter with a RS422 interface which is also isolated.

For controlling tasks there are 4 isolated digital input channels and 4 isolated digital output channels.

The two up/down counter can be programmed for 1-, 2-, or 4-fold mode counting. It is also possible to use the counters as event counters.

Alternatively there is the possibility to measure the time event of each increment with a resolution of 5 MHz or 10 MHz.

The reference counter is able to trigger the two up/down counters. With the aid of the reference counter it is also possible to generate constant time intervals for measurements.

The digital input and output channels can be used for controlling tasks. In addition the digital input channel 1 can be used for triggering one of the two up/down counters either with the raising edge or the falling edge of the input signal.

### **Output Channels**

- 4 digital output channels
- 7 - 30 VDC, max. 1 A, short circuit protected
- Isolation Voltage 500 VDC

### **Input Channels**

- 4 digital Input Channels, high-aktiv
- 5V Input Voltage
- Impedance > 100 k $\Omega$
- Isolation Voltage 500 VDC

### **Reference Counter**

- Timer controlled measuring of the counter values
- Position controlled measuring of the counter values

### **Software**

- Driver and DLL for Windows 9x/ME
- Driver and DLL for Windows NT4.0/2000/XP
- Programm Samples VisualC++

### **Orderin Informations**

### **PCI 1389-S01**

### **Specifications**

RS422-Ports	: 4 bidirectional : 8 unidirectional
Isolation Voltage	: 500 VDC
Output Channels	: 4
Function	: Source
Voltage Range	: 7 - 30 VDC
Max. Current	: 1 A, short circuit protected
Isolation Voltage	: 500 VDC
Input Channels	: 4 high-aktiv
Input Voltage	: 5 V
Impedance	: > 100 K
Isolation Voltage	: 500 VDC
Supply Voltage	: +5 V, max. 1 A
External Connector	: 37-pol. SUB-D-Connector
EMV	: EMV-according to EG-Direction
89/336/EWG	
Operating Temperature	: 0 - 50 °C
Storage Temperature	: - 25 to +85 °C
Dimensions	: 160 x 113 mm