

Universal DAQ : MINITAUrs

8-Channel Universal Data Acquisition System

- All-in-One Device
- Universal Analog Inputs
- CAN and CAN FD Input
- Fully Synchronized and Software included



Specification

Analog Inputs	
Inputs	8ch Voltage, Full/Half/Quarter bridge strain
ADC type	24bit delta-sigma DUALCOREADC® with anti-aliasing filter
Sampling rate	Simultaneous 200 kS/sec
DUALCOREADC® Ranges (Low Range)	±10 V (500 mV), ±1 V (50 mV), ±100 mV (5 mV), ±10 mV (0.5 mV)
Bridge ranges @ 10 Vexc (Low Range)	1000 (50) mV/V, 100 (5) mV/V, 10 (0.5) mV/V, 1 (0.05) mV/V
Bridge modes	Full / Half / Quarter Br 120 / 350 Ω 3-wire; internal bridge completion
Digital inputs	
Inputs	8 counter, 24 digital, Fully synchronized with analog data
Input level compatibility	CMOS, LVTTTL
Input protection	±25 V continuous
Digital output	8 ch open collector, max. 100 mA / 30 V
CAN bus	
Inputs	1 CAN port
CAN port type	CAN 2.0B full speed, read & write
Interface and options	
USB & Video	Front: 4x USB 3.0, Rear: 2x USB 2.0, 1x DVI-D
Ethernet	Front: 1x GLAN, Back: 1x GLAN, 1x WLAN
EtherCAT®	1x EtherCAT® 100 Mbps Full Duplex, 8-pin LEMO female
GPS(option) & Power out	Switched input supply on 2-pin LEMO female (max. 8 A), 100 Hz or 100 Hz + RTK
Environmental & Physical & Power	
Operating Temperature	-10 to 50 °C
Dimensions & Weight	266 x 139 x 109 mm, 3.0 Kg
Power supply & consumption	9 – 36VDC, Typ. 35W(Max. 56W)