

# Spécifications techniques des MINITAURS

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Analog inputs	
Inputs	8 ch voltage Full / Half / Quarter bridge strain
ADC type	24-bit 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
Dynamic Range @ 10 kS (DUALCOREADC®)	137 dB (152 dB)
Input coupling	DC
Input impedance	10 MΩ
Bridge modes	Full / Half / Quarter Br 120 / 350 Ω 3-wire; internal bridge completion
Internal shunt resistor	100 kΩ, bipolar to Exc+ or Exc- (others on request)
TEDS	Standard + DSI adapters
Excitation Voltage	0 to 12 VDC software programmable (16-bit DAC), max 44 mA
Overvoltage protection	In+ to In-: 50 V continuous; 200 V peak (10 msec)
Digital inputs	
Inputs	8 counter 24 digital Fully synchronised with analog data
Input level compatibility	CMOS, LVTTL
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
Computer	
Processor	Intel® Core™ i3 2x 2.1 GHz base 4 threads
Memory	4 GB (up to 16 GB upon request)
Storage	250 GB removable SATA SSD Option: 1 TB removable SATA SSD Option: 250 GB mSATA internal SSD
Interfaces and options	
USB	Front: 4x USB 3.0 Rear: 2x USB 2.0
Ethernet	Front: 1x GLAN (RJ45) Back: 1x GLAN (RJ45), 1x WLAN (RP-SMA Female Jack)
EtherCAT®	1x EtherCAT® 100 Mbps Full Duplex, 8-pin LEMO female
Synchronisation	2x SIRIUS® SYNC
Video	1x DVI-D
GPS (option)	10 Hz or 100 Hz or 100 Hz + RTK
GPS display (option)	External on DSUB-9 female connector + remote power on
Power out	Switched input supply on 2-pin LEMO female (max. 8 A)
Power	
Power supply	9 - 36 V DC
Power consumption	Typ. 35 W (Max. 56 W)
Environmental	
Operating Temperature	-10 to 50 °C
Storage Temperature	-40 to 85 °C
Humidity	5 % to 95 % RH non-condensing at 50 °C
IP rating	IP20
Shock & Vibration	Vibration sweep sinus (EN 60068-2-6:2008) Vibration random (EN 60721-3-2:1997 - Class 2M2) Shock (EN 60068-2-27:2009) MIL-STD-810D
Physical	
Dimensions	266 x 139 x 109 mm
Weight	3.0 kg
Rev: 1552392000	