PC-logger 2100

High quality data logger - made in Sweden

www.intab.se

- on-line / off-line

- 8 analog inputs

- 3 pulse counters

- alarm output

- 16 bit resolution

- programmable inputs

- thermocouple, voltage,

  4(0) - 20 mA, Rtd:s

- stores up to 112.000 values

DATA ACQUISITION AND ANALYSIS

PC-logger 2100 - with EasyView Pro - hard to beat

intab°

PC-logger 2100°

Technical data°

CE

Analog Data°

Inputs	8, true differential
Method of measurement	Sigma Delta-conversion.
Measurement interval	Programmable in 1s-steps - min 1s. All channels sampled within the same second.
Impedance	Min 400kΩ between + and -. (51Ω current shunt.) Min 5MΩ to ground reference.
Overvoltage protection	30V continuous on voltage inputs.

Ranges
Voltage	+/- 10V, +/- 1000mV, +/- 100mV, +/- 50mV
Current	20mA
T/C - linearization:	B, E, J, K, N, R, S, T,
Divisions/Dynamic range	Min. +/-25.000 divisions

Resolution			
	10V	range:	0.4mV
	1V	-"-	40µV
	100mV	-"-	4µV
	50mV	-"-	2µV
	20mA	-"-	1µA

Termo emf 50mV FS:	T/C J,K,T,S	0.1°C
	T/C S	0.3°C

Accuracy (at 25°C+/-10°C)
Voltage	+/- 0.01% - +/-0.04% of FS
Current	+/-0.04% of FS
Cold junction	+/-0.5°C
Temperature Coefficient	max 50ppm/°C
Noise	+/-1 bit (=division)

Common mode
Common mode-range at FS 10V	min +/- 5V
Common mode-all other ranges	min +/- 10V

CMRR (dc)	min 80dB

Digital In/Out & Pulse Counters°

Digital output
Number	1; (Parallelled by digital input no. 1)
Type	Open collector passive pull-up to 5V.
Max. voltage	20V
Max. current	100 mA

Digital TTL inputs
Number	3 (no.1 parallelled by digital output)
"High" logic level	Min 3.5V or open (internal pull up)
Impedance	Min 50kΩ (passive pull down)
Max input voltage	15V
Max pulse freq. (active source)	Min 65kHz at 5V in and 50% duty cycle
Max pulse freq. (active source)	Min 30kHz at 10V in and 50% duty cycle
Max pulse freq. (active source)	Min 20kHz at 15V in and 50% duty cycle
Min pulse width (active source)	Max 15ms
Max counter reading	65535

Auxiliary voltage output:	V-Out
Voltage	Mains Adapter Voltage 12VDC, max200mA

Data Memory°

Size	112 000 values

Constant Current Source°

Constant current	0.500mA
Accuracy	+/-0.2% at 25°C+/-10°C)
Temperature Coefficient	max 50ppm/°C
Load	< 5kΩ

Computer Interface°

Serial	RS-232

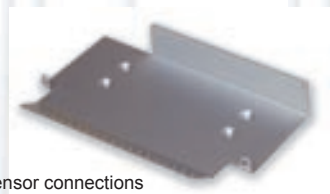## Power°

Mains Adapter
Voltage	12 - 15VDC
Operating current	400 mA
Charging current	Max 200 mA (Initial)
	Max 60mA (trickle charge)

Built-in accumulators
Charging time	Max. 24 hours with 12VDC mains adapter.
Capacity	8 - 500 hours of operation depending on sampling interval.
Operating current	Max 200µA in sleep mode, 200 mA while sampling.

Mechanical°

Length	247 mm
Height	110 mm
Width	36 mm
Weight	860 g
Operating temperature	-20 - +50°C

Accessories

Wallmount incl. strain relief for sensor connections

Software

PC-logger 2100 is supported by EasyView Pro.
For easy setup of your logger and first-class viewing of your recordings - on-line or off-line.

The intuitive five zooming tools together with characteristical and statistical values makes this software package supreme when it comes to presentation of your measurement data.
Formulas for calculation, a project manager and presentation of process diagram are also included features.
Please download brochure or demo from www.intab.se

EasyView Pro
- focusing on graphing

www.intab.se