

CPS-220

Car positioning system

Description

CPS-220 (Car Positioning System) is an integrated measurement unit with internal GPS.

It can be used in car and motorbike racing applications.

Main Features

- *Internal GPS*
- *2 Digital output (1 available for trigger on finish line - the information is based on GPS)*
- *2 Single-ended*

Benefits

- *GPS RAM backup battery available*
- *Fast GPS synchronization*
- *Analog Acquisition*
- *Microcontroller MPC5553 ensures high performance (including digital signal processing instructions)*

Typical Applications

All race applications



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Technical Characteristics

Inputs

Single-ended (@ 12 bit resolution)	2
NTC internal temperature sensor	1
“Code Load” enable pin	1

Outputs

Digital	2
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Communications

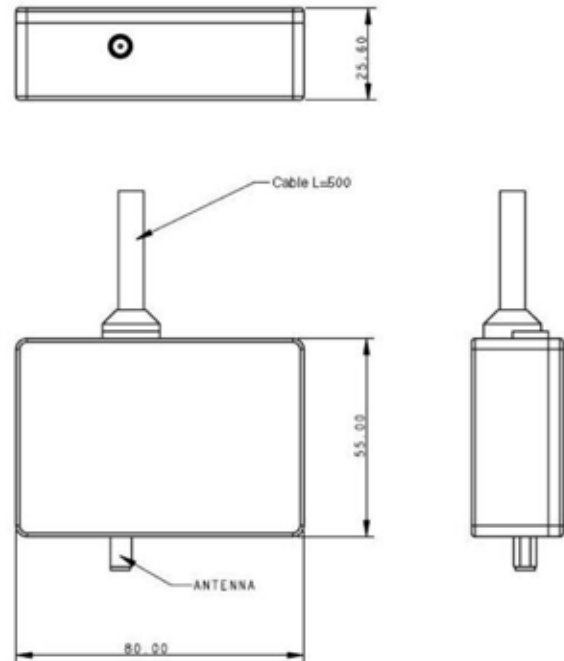
CAN line (1 Mbit/s (*))	1
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(*) Configurable on request

Other Characteristics

Power supply	8 to 16 V
Operating internal temperature	85 °C
Protection class	IP 64
Dimensions	
without connector and cable	80 x 55 x 25.6 mm
Cable length (min.)	500 mm
Weight (with cable)	152 g

Dimensions



Dimensions in millimetres

Cable Pin Out

Pin Out CPS-220 (Cable)

	Function	Wire
Inputs		
Single ended 12bit	2	2
Outputs		
Digital output	2	2
Communication		
CAN line	1	2
Miscellaneous		
VBATT	1	2
ENCP	1	1
Analog ground	1	1
	Total	10