

# CPS-220

Car positioning system

### Description

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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

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

### Benefits

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



### Typical Applications

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All race applications

## AUXILIARY MODULES

# CPS-220

Car positioning system

### 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

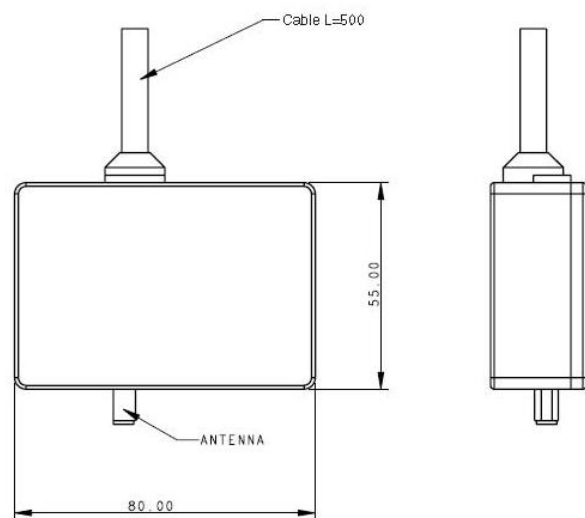
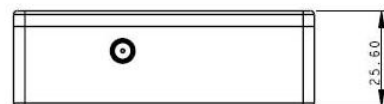
#### Other Characteristics

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

### Cable Pin Out

Pin Out CPS-220 (Cable)		
	Function	wire
<b>Inputs</b>		
Single ended 12bit	2	2
<b>Outputs</b>		
Digital output	2	2
<b>Communication</b>		
CAN line	1	2
<b>Miscellaneous</b>		
VBATT	1	2
ENCP	1	1
Analog ground	1	1
	<b>Total</b>	<b>10</b>

### Dimensions



Dimensions in millimetres

For further information, please contact:



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