

PEGASEM P100 Series

Driver Displays



Features

- km/h or mph units selectable
- Adaptable to any wheel circumference
- Wide range of pulse rates
- Analogue Sensor Display (P120)
- Bright display with excellent readability even at sunlight
- Wide temperature range
- Easy installation at the wind screen
- Small and light weight

Applications

- High Precision Tachometer
- Driver Display
- Stopping Distance Test
- Turning Circle Test
- Sensor Monitoring and Supply

force, pressure or temperature from various types of non-pulse transducers. Sensors with moderate power

requirements can be directly supplied by the display.

Functional Features	P100	P110	P120
Speed Display (km/h or mph)	X	X	X
Setup Mode for actual wheel size	X	X	X
Speed Sensor Pulse Output (BNC-socket)	X	X	X
Wheel Size Calibration Support		X	X
Round Trip Mode		X	X
Stopping Distance Mode		X	X
External Trigger Input for Test Start		X	X
Analogue Speed Output (0 - 4VDC)		X	X
User Selectable Analogue Speed Output Rate		X	X
Run/Freeze Function für Speed Display		X	X
Analogue Measuring Channel			X
Analogue Preamplifier			X
Conversion into physical units from analogue input			X

Included Accessories	P100	P110	P120
Cable for 12/24V power supply	X	X	X
Wind Shield Mounting Bracket and Suction Cup	X	X	X
Optional Accessories	P100	P110	P120
Manual Trigger Switch		X	X
Mating plug for analogue input socket			X
Sensor cable for PEGASEM pulse transducers	X	X	X
Brake Pedal Switch for Stopping Distance Test		X	X
Trigger Cable for Brake Light		X	X
Reflektive Light Barrier for Speed Calibration		X	X
Customised Sensor Cables	X	X	X

The P100 driver displays are used as as control monitor for the vehicle speed and as a node for the sensor wiring during vehicle tests. Furthermore the P110 and P120 units allow simple tests on vehicles like stopping distance, turning circle or round trip time. The display works with different wheel diameters and pulse counts. All pulse transducers from 10 pulses per meter or higher are suitable. With it's additional analogue input channel the P120 also enables displaying speed,

Technical Data:

Parameter	Value
Power Supply Voltage	12 ... 24VDC (nominal)
Power Supply Current	0,1A @ 12 V (mean value)
Sensor pulse rate range	10 per meter ... 2000 per meter
Operating Temperature Range	- 40° ... + 60° C
Display Type and Color	Extra bright red LEDs, dimmable brightness
Number of Digits	4 digits, 13 mm height
Package/Finish	Aluminum die cast/black powder coated
Size (W x H x D)	110 x 38 x 88 mm
Windshield attachment	Suction cup, ball joint and holding bracket
Weight	0.35 kg



Administration

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