

PSCxxx-90 Pulse Sensor Camera System

3D Laser Scanner System for Volume and Surface Measurement



- Small spot size
- Long range up to 300 m
- Wide horizontal scan angle, up to 340°
- Fast scan rate
- Very high accuracy in range and angle
- Real time Ethernet
- Robust, rate IP67
- Multi-echo evaluation technology
- Flexible system configuration to achieve each application goal
- Available with rough protection housing and strong blower

PSCxxx-90 Applications

PSCxxx-90 is optimally suited for surface and volume measurements, monitoring and surveying, security and management in different fields, such as:

- Open pit mines
- Stockyards
- Agriculture
- Harbors
- Cargo measurement
- Quarry rock faces
- Landfills
- Construction
- Refinery
- Wood industry
- Garbage dumps
- Incinerators
- Urban areas
- Storage
- Steel industry

PSCxxx-90 Technical Data

Technical data of the PSCxxx-90 depends on the composition of the system, suited for the applications required. Mainly it is composed by:

- 2D Laser Scanner sensor with 90° field of view
- Rotary Table, responsible of the rotation of the sensor for 3D measurements
- optional rough Housing, protecting measuring components
- optional Internal Blower, available for dusty environments

2D Laser Scanner can be a PSxxx-90 sensor or PACxxx-90-y-zz sensor. For detailed sensor technical data, please refer to the technical datasheet of the desired device.



Rotary Table Technical Data

Data	Value
Horizontal rotation range	-170 °C to +170 °C
Horizontal resolution	0.011 degree 0.2 mrad
Rotation speed mode	
Fast	7.2 degree/second
Normal	1.8 degree/second
Fine	0.11 degree/second
Power supply	24 Volt DC - 1.75 A
Network interface	100 MBit/s Ethernet
Communication interface	Binary Command Interface ASCII Command Interface
Rotary Table Housing	Aluminum Die Cast Seawater resistant
Operating temperature range	-10 °C to +50 °C
Storage temperature range	-30 °C to 80 °C
Weight with sensor and enclosure	> 10 kg

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