



## Calibration and End-Of-Line testing for linear magnetic position sensor



*PSCS.Cal, is the solution for automatic calibration and functional end of line testing for linear magnetic position sensor*

*PSCS.Cal is a high performance station to achieve very high precision sensor calibration and test at the lowest time.*

### MAIN FEATURES:

- ⦿ Single power supply 230Vac
- ⦿ Interchangeable Fixture
- ⦿ Easy loading of Magnet support for fast production change
- ⦿ Single or double track sensors management
- ⦿ True power load or simulated for output sensor
- ⦿ Output signals measurement from sensor: analog, PWM and Sent
- ⦿ Calibration and Testing sequence easy to configure
- ⦿ Debug section for easy trouble-shooting
- ⦿ Ready to be introduced in production line

### TECHNICAL SPECIFICATIONS

Specification	Value	Note
Sample rate for analog and frequency signal	1 Ms/s simultaneous for each channel	
Maximum calibration stroke	100 mm	
Maximum positioning Error	$\pm 20 \mu\text{m}$	
Power	Voltage : 230 V AC- 50/60 Hz Air supply : 6 bar	
Dimensions	WxHxD : 800 x 1700 x 900 mm	

## FLEXIBILITY AND MODULARITY

PSCS.Cal can be scaled on customer needs to achieve the performance suitable for the application. The specialization fixture can be adapted to specific needs of each production line (manual or automatic loading, stand or seated stations, etc)

PSCS.Cal has a real time processor to guarantee high data acquisition rate and synchronicity between sensor output and encoder feedback

PSCS.Cal has an easy to operate multilanguage interface and debug capabilities that offer quick setup and trouble-shooting. In addition easy unlock and release fixture allows flexible adaptation to production changes.

## APPLICATIONS

- Linear magnetic position sensors
- Angular position sensors
- Automotive sensors (Hall effect, Throttle position, Clutch and gear...)

## CONFIGURATION AND OPTIONS

Product code	Calibration and Programming	EOL Test	Description
PSCS.Cal.CE	X	X	Standard calibration and EOL test bench for sensors
PSCS.Cal.E		X	Standard EOL test bench for sensors
PSCS.Cal.L	X		Calibration and test bench for R&D laboratory

