

# API ARM

Portable Coordinate Measuring Machine



## 7 Axis Portable Measuring Arm

The **API Arm** provides an ideal combination of for contact and non-contact measurements. The innovative design utilizes top of the line materials to provide a reliable, portable, and lightweight coordinate measuring machine.



### FEATURES & BENEFITS



#### Simple Operation

Carbon fiber tubes, a ergonomic handle, and integrated counterbalance allow scanning with minimal effort.



#### True Portability

With an integrated battery, WiFi connection, and temperature regulation the arm can perform wherever you need it.



#### Extended Global Measurement Volume

The API Arm can be paired with an API Laser Tracker to extend the overall working volume of the system while maintaining the highest level of accuracy.



#### Magnetic Docking

The handle of the arm conveniently attaches to the body when not in use.



#### Multiple Sizes Available

The API Arm is available in 2m, 2.5m, 3m, 4m, and 4.5m sizes to provide the perfect fit for your application.



**API** AUTOMATED  
PRECISION

Technical specifications and descriptions may be subject to change. ©2016 Automated Precision Inc. Revision EN.03.18

15000 Johns Hopkins Dr. | Rockville, MD 20850 | 1-800-537-2720 | [info@apisensor.com](mailto:info@apisensor.com) | [www.apisensor.com](http://www.apisensor.com)

# API ARM

Portable Coordinate Measuring Machine



The Skyline scanner is an excellent solution for 3D analysis. High speed scanning and 200mm laser line allows you to detect the smallest details in record time. This scanner integrates into the handle with a quick detach features. No tools required.

The Solano Blue scanner provides performance and simplicity at an economical price. This standard scanner has a 100mm laser line and works well on reflective surfaces.



A probe can be connected directly to the handle for contact measurements. The available probes have auto detection for quick setup.

## Common Applications

- Dimensional Analysis
- Quality Control
- Rapid Prototyping
- First Article Inspection
- Reverse Engineering
- Surface Acquisition

## Technical Specifications

Axis	Working Volume	Probing Performances		Scanning Performances			
		Single Point Repeatability	Volumetric Accuracy	Skyline	Max Speed 600,000 pts/sec	Solano Blue	Max Speed 50,000 pts/sec
7	2 m	0.022 mm	0.032 mm	0.042 mm		0.047 mm	
7	2.5 m	0.027 mm	0.038 mm	0.048 mm		0.053 mm	
7	3 m	0.042 mm	0.051 mm	0.061 mm		0.066 mm	
7	3.5 m	0.054 mm	0.062 mm	0.072 mm		0.077 mm	
7	4 m	0.069 mm	0.074 mm	0.084 mm		0.089 mm	
7	4.5 m	0.078 mm	0.089 mm	0.099 mm		0.104 mm	

## Contact Us



**Chirk Head Office**  
**Bristol Office**

OR3D, 2 The Sawmill, Brynkinalt Business Centre, Chirk, Wrexham, LL14 5NS, UK  
OR3D, Future Space, UWE North Gate, Filton Road, Bristol, BS34 8RB, UK