



TOMELLERI ENGINEERING

Hi-End articulated arm technology

EXPLORER

THE LARGEST MEASURING RANGE FOR A PORTABLE ARM



When the need is to.. Explore

The EXPLORER is available with 5, 7 and 9 m diameter. It is the perfect equipment when you need to "explore" large parts with great flexibility, representing our solution to face the toughest challenges. Every situation that was previously impossible now is made possible.

Perfectly balanced

When the dimensions are important, every aspect becomes critical in obtaining the best results. For the EXPLORER line the balance plays a fundamental role, allowing to reduce the loads carried by the user during the measurement session. This not only allows a comfortable handling despite the incredible size, it also makes the arm surprisingly accurate

Compatible with everything

The EXPLORER line is available with any configuration available for the SPACE Plus line. It works perfectly for touch inspections with the probe and, with the 7 axes configuration, it can also work with a scanner for point cloud measurements or reverse engineering.

CONFIGURATIONS

With 6 or 7 axes configuration

With fixed probe or interchangeable system

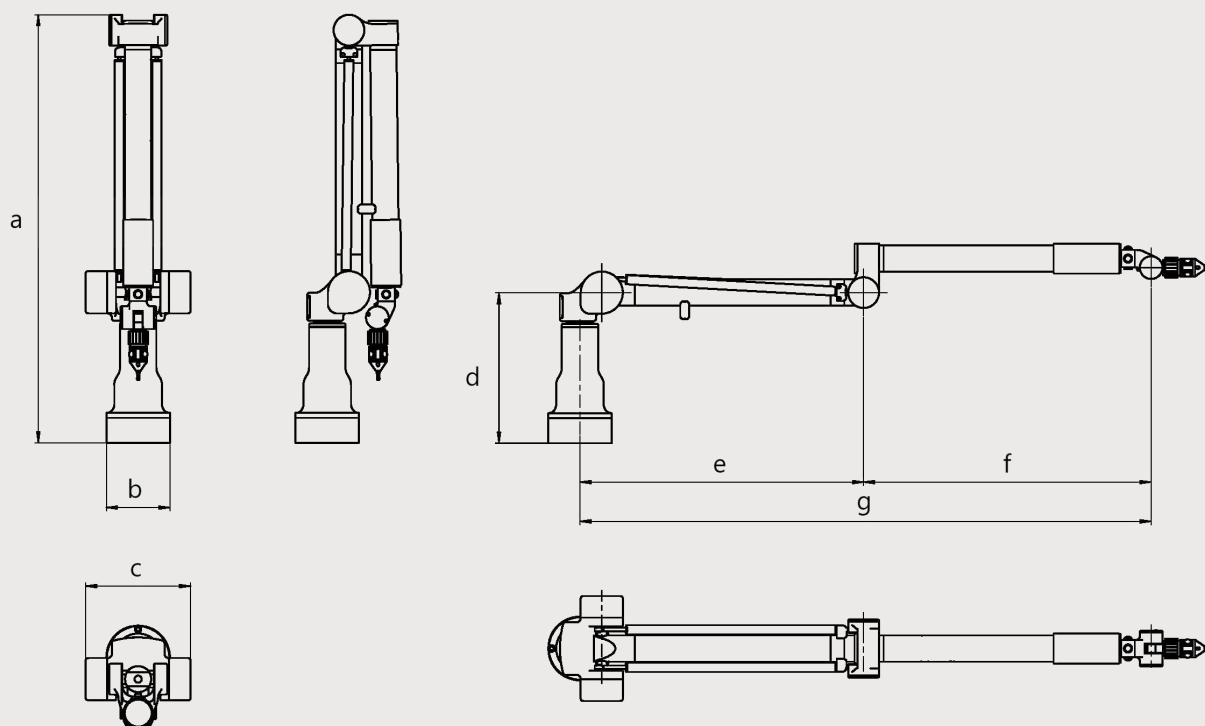
With cabled or wireless communication



compatible with

SMARTOUCH **SCANSURF**

DIMENSIONS



	DIMENSIONS (mm)							WEIGHTS (6-7 ax)
	a	b	c	d	e	f	g	
EXPLORER 5000	1568	140	231	332	1250	1260	2510	12,5 - 13 kg
EXPLORER 7000	2055	140	231	332	1737	1763	3500	14 - 14,5 kg
EXPLORER 9000	2555	140	231	332	2237	2263	4500	16,5 - 17 kg

SPECIFICATIONS

		Measuring field	Volumetric Accuracy* (mm)	Repeatability* (mm)
6 axes	SPE6050 EXPLORER 5000	5000 mm	0,065	0,038
	SPE6070 EXPLORER 7000	7000 mm	0,102	0,056
	SPE6090 EXPLORER 9000	9000 mm	0,150	0,075
7 axes	SPE7050 EXPLORER 5000	5000 mm	0,075	0,050
	SPE7070 EXPLORER 7000	7000 mm	0,117	0,070
	SPE7090 EXPLORER 9000	9000 mm	0,170	0,090

*= values reported are expressed with 2 σ error.

TECHNICAL DATA

POWER SUPPLY	100-240 V 50-60 Hz
PROTECTION	IP 54
OPERATING CONDITIONS	+10°/+40° Humidity 90% without condensing
CONFORMITY	In compliance with CE