



Helix^{solo}

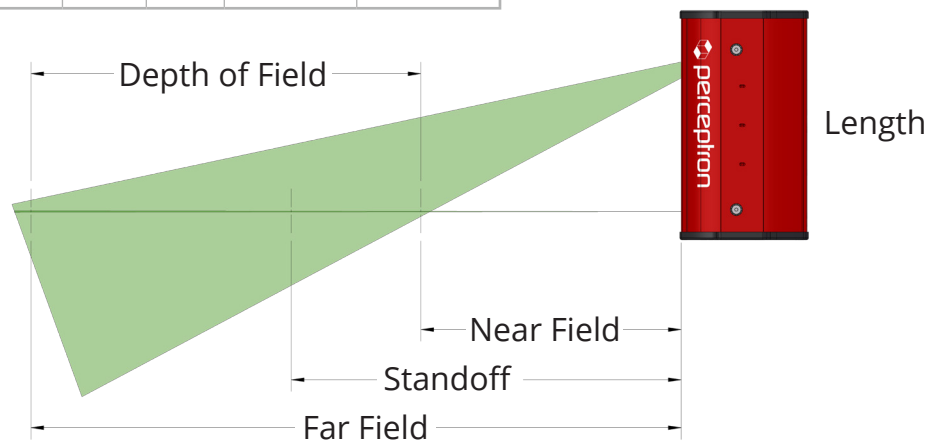
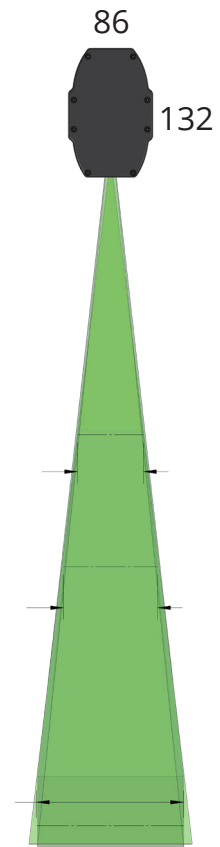
Technical Specifications

Perceptron's Helix_{solo} family of non-contact contour and surface sensors are a cost-effective solution for single feature measurement on challenging materials, such as glass, polycarbonate, chrome, aluminum, and painted surfaces. Helix_{solo} provides the data you need to improve part and process quality.

Helix is built for the plant floor.

Helix_{SOLO} Specifications

	Sensor Type	Depth of Field (mm) Near	FOV Standoff (mm)		Length (mm)	Weight (kg)
			X	Y		
Contour	C200	100	0	65	175	1.8
	C400	115	0	55	235	2.2
	C600	200	0	110	310	2.6
	C800	210	0	115	380	3.1
	C800VF	350	0	250	380	3.1
	C1000	150	0	150	455	3.5
	C1200	150	0	125	530	4.4
	C1400	290	0	145	600	4.8
	C1600	210	0	120	665	5.5
Surface	S200	120	43	60	175	1.8
	S400	225	81	120	235	2.2
	S600	325	118	175	310	2.6
	S800	220	80	110	380	3.1
	S1000	180	65	100	455	3.5
	S1200	230	81	115	530	4.4
	S1400	225	81	135	600	4.8
	S1600	225	81	115	675	5.6



Accuracy (VDI/VDE)

50 µm

Safety

Class 2M or 3R

Operating Temperature

10 - 45°C

IEC 60825-1:2014

Communications

PoE Class 4

Certification

CE

Laser (wavelength)

Green - 520nm

Environment

IP67

Blue - 450nm

Violet - 405nm