

PERFORMANCE SPECIFICATIONS

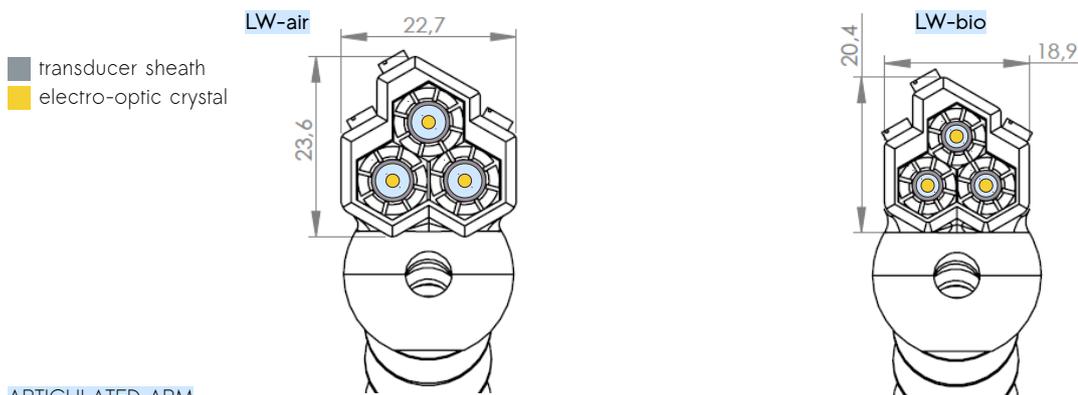
		Min	Typical	Max	Unit
ETX probe axis marker correction	misalignment angle after correction		±1	2	°
	induced restricted selectivity	30	≥ 35		dB
Density	for immersion purpose	1.08	1.11	1.14	
Withstand	voltage	25			kV _{rms}
	magnetic field	4.7			T
	permanent PD ¹ (<i>f</i> < 10 GHz)	0.1			W/cm ²
3 E-field component meas. voxel (cylinder)	diameter for LW-air		10.5	11	mm
	diameter for LW-bio		8.75	9.25	
	length for EX1 probe		1.5	2	
	length for EX5 probe		5.5	6	
Holder tip dielectric constant	ε' for <i>f</i> < 300 GHz	2.75	2.8	2.95	
	tan δ @ 1 GHz		2 · 10 ⁻³		
	tan δ @ 3 GHz		3 · 10 ⁻³		
	tan δ @ 10 GHz		6 · 10 ⁻³		
	tan δ @ 30 GHz		11 · 10 ⁻³		
	tan δ @ 100 GHz		21 · 10 ⁻³		

¹ Power Density.

MECHANICAL SPECIFICATIONS

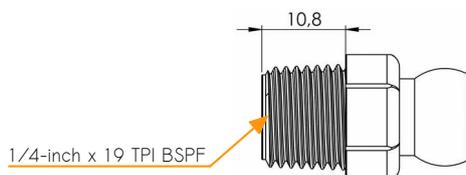
		Min	Typical	Max	Unit
Inter-probe distance (equilateral triangular grid)	LW-air		9		mm
	LW-bio		7.5		
Articulated arm length			280		mm
Silicon base plate diameter			100		mm
Weight		310	330	350	g
Ingress Protection rating			IP68		

TRANSDUCER - Drawings at scale 1:1 - Cross section with 3 probes mounted on holder



ARTICULATED ARM

base thread - Drawings at scale 1:1 - Dimensions in mm (± 0.2 mm)



For specific requirements, the articulated arm and its probe holder can be mounted directly on any support with a 1/4-inch x 19 TPI BSPF threaded hole (cf. customer-defined setup on last page).

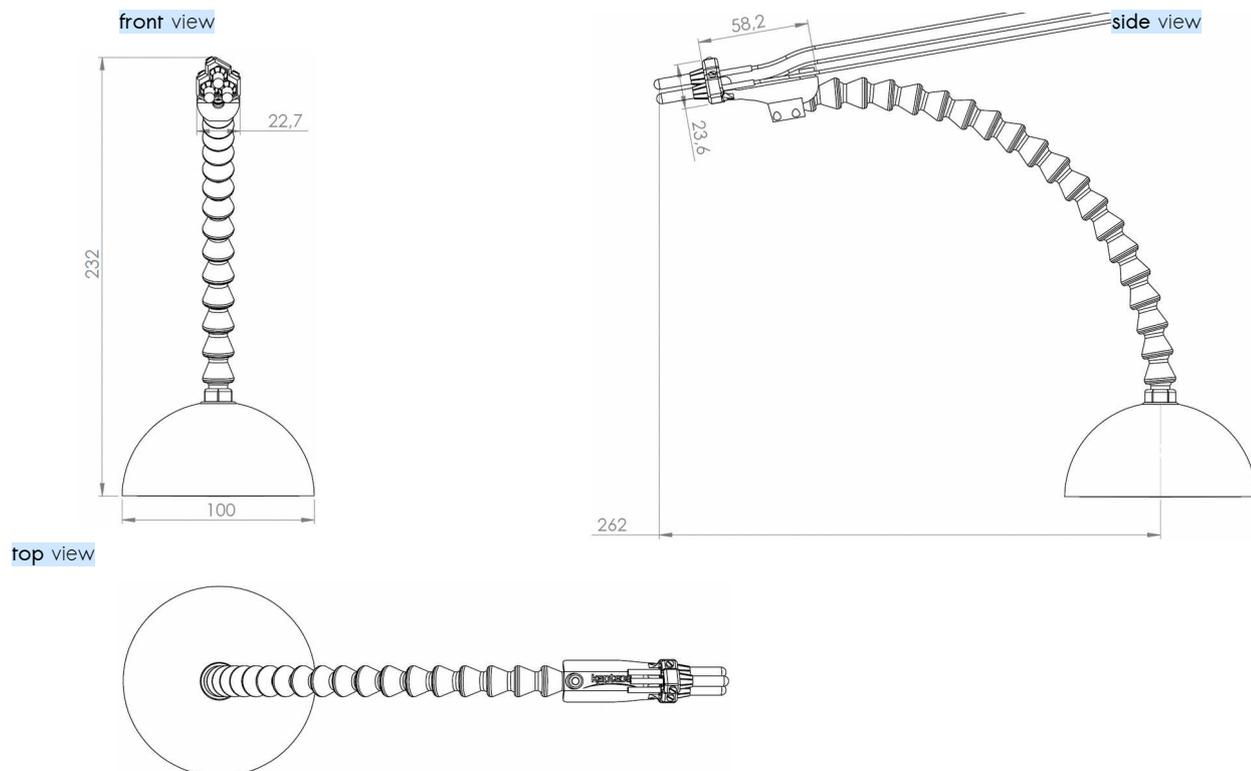
As part of its on-going product improvement, Kapteos reserves the right to modify the specifications of the product described in this document without notice.

Distributed by: Reliant EMC LLC, Tel. +408-320-9644/+408-916-5750, www.reliantemc.com

PROBE HOLDER TIP - Drawings at scale 4:5



PROBE HOLDER OVERVIEW LW-air - Drawings at scale 1:4 - Dimensions in mm (± 0.5 mm unless otherwise noted)



ENVIRONMENTAL SPECIFICATIONS

		Min	Typical	Max	Unit
Temperature	operating ²	10		50	°C
	storage	10		40	
Pressure	operating ²	1		2 000	hPa
	storage	690		1 075	
Storage	only in its original case in a clean, dry environment				
Holder cleaning	wash with dishwashing product and rinsed with clean water				

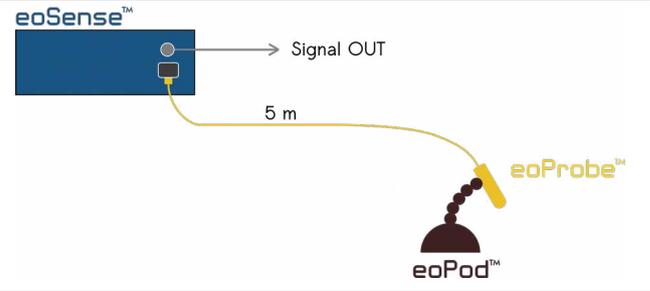
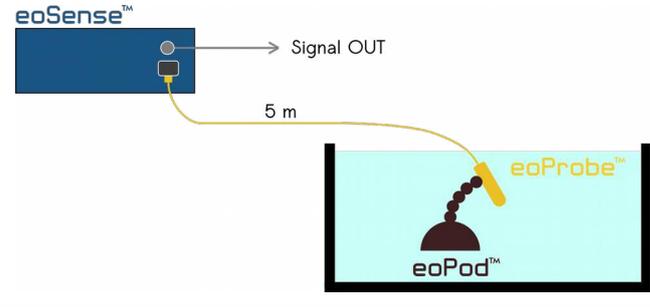
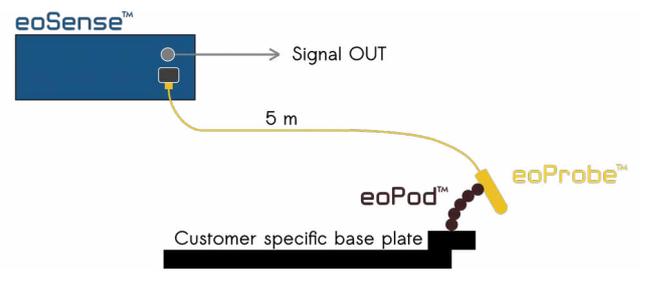
² Max. 8h per day in case operating conditions are harsher than storage conditions

PACKAGING INFORMATION

Contents	
eoPod™ holder	Delivered with an embedded bubble level & a three-probe holder
Transport case	Cardboard with protective foam (W x D x H = 185 x 165 x 105 mm - Weight: 170 g)
Other parts	1 screwdriver
User guide	cf. eoSystem User Guide PDF file GU-eoSystem

As part on its on-going product improvement, Kapteos reserves the right to modify the specifications of the product described in this document without notice.

COMPATIBLE DEVICES & ACCESSORIES

	Device-related data sheet	Use	Outline schematic
E-field probe eoProbe™	FT20-eoProbe-05.pdf	Recommended setup in most cases	
		Immersed setup for measurements in phantoms	
		Customer-defined setup	

Distributed by: Reliant EMC LLC, Tel. +408-320-9644/+408-916-5750, www.reliantemc.com



Follow us on

