

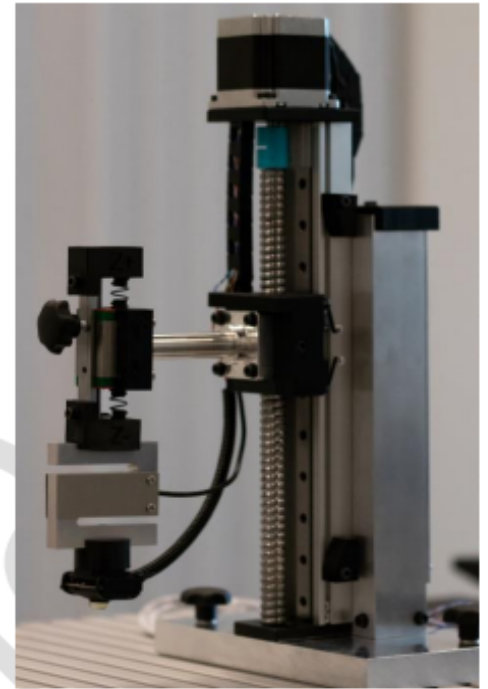
ArFi 1.0

ARTIFICIAL FINGER

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1. SPECIFICATIONS

Parameter	Unit	Conditions / Description	MIN	TYP	MAX
Dimensions	mm	500x375x415			
Finger Movement	mm		0.02		100
Load Force	N	0.1 N increments	1		10
Acceleration Resolution	Hz	Single Accelerometer		3.300	
	Hz	Dual Accelerometer		1.700	
Acceleration scale	G	x, y, z axis	-4		+4
Spring Constants	N/mm			3.416	
Spring Travel Stroke	mm				5
Shear Stress τ_{kh}	N/mm ²			472	
Load Cycle frequency	1/s			10	
Packaging				BOX	
Weight	g			12.000	

DESIGNED BY	Rabea Richter	DATE	2021.08.05	PART NO.	ArFi 1.0	INDEX	A
RELEASED BY	Robin Schreiber	DATE	2021.08.05				
CHANGED BY							
DRAWING NO.	444134968						

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2. MICROPHONE SPECIFICATIONS

Parameter	Unit	Conditions / Description	MIN	TYP	MAX
Dimensions	mm	60x67x135			
Frequency Range	Hz		50		20.000
Sensitivity	dB	0 dB = 1 V/Pa at 1.000 Hz		-40	
Characteristic				omnidirectional	
Operating Temperature	°C		-10		+55
Operating Humidity	% RH		0		65
Storage Temperature	°C		-20		+70
Storage Humidity	% RH		0		95
Cable Length	mm			150	
Weight	g			85	

3. HISTORY CHANGE RECORD

REV	CHANGE ITEMS		DATE
	BEFORE CHANGE	AFTER CHANGE	
		Initial Version	2021.08.05

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