

ANSz100lr

open loop z-scanner for 2" scanning probe applications with large scan range

piezo driven lever arm mechanism 24 x 24; 12 mm	ANC300 piezo positioning contro ANC350 piezo positioning contro Analog voltage amplifier		ANM200, ANM3		
24 x 24·12 mm		ller	ANC350 scan ai		
24 x 24·12 mm	Analog voltage amplifier	ANC350 piezo positioning controller		ANC350 scan and readout controller	
24 x 24· 12 mm			ANC250		
•	Accuracy of Mayomout				
19 g	Accuracy of Movement repeatability of step sizes			rianing annahilit.	
@ 300 K	, , ,	repeatability of step sizes no coarse positioning capability scan repeatability typically 0.1 %			
50 μm 30 μm		forward / backward step asymmetry no coarse positioning capability			
060 V 0150 V	, , , ,	creep		typically 0.5 - 0.8 % per decade of time	
5.4 μF 750 nF	•	·		typically 5 - 10 %	
sub-nm	.		-5p-00-15		
	Working Conditions				
	mounting orientation		scanner moving	g vertically	
	magnetic field range	magnetic field range			
titanium (upgrade option: beryllium copp	temperature range (/RT, /HV, /U	temperature range (/RT, /HV, /UHV)			
PZT ceramics	temperature range (/LT, /LT/HV,	/LT/UHV)	10 mK 373 K		
insulated twisted pair, copper	max. bake out temperature (/UH	V,/LT/UHV)	150 °C		
	minimum pressure (/RT, /LT)		1E-4 mbar		
mounting orientation: axis vertical	minimum pressure (/HV, /LT/HV))	1E-8 mbar		
20 Ncm	minimum pressure (/UHV, /LT/U	HV)	5E-11 mbar		
1 N (100 g)					
	Connectors and Feedthroughs	/RT, /LT Ver		all /HV, /UHV Versions	
2 through holes dia 2.2 mm, cntrbr. f. M2	connector type	2-pole pin p	-	2-pole pin plug (PEEK), ø 0.5 mm, d = 2 mm,	
2 threads M2.5 x 5 mm		ø 0.5 mm, d = 2 mm, 30 cm cable with connector		30 cm cable with connecto	
6 threads M2 x 3 mm	electrical feedthrough solution	VFT/LT	with connector	VFT/HV, VFT/UHV	
o tilleaus M2 X 3 IIIIII	electrical reedthough solution	VII/LI		V11/11V, V11/011V	
1005227	-				
1005228					
1005229					
1005230					
1005231					
1005232					
1005228 1005229 1005230 1005231					



