LINES		TappingMode	Contact AFM	ECAFM	STM	ECSTM	STS	Force Modulation
		MultiMode™						
Analog Inputs to NanoScope® ±10VDC	In 0	RMS amplitude	Vertical deflection[a] minus setpoint voltage		Voltage as a function of tunneling current			
	Aux A	Vertical deflection[a]	Lateral deflection (LFM)[a']	cell current	Set by user	cell current		
	Aux B	Set by user			Set by user			
	Aux C	Set by user			Set by user			
	Aux D	Set by user. See note [e]		cell potential	See note[e]	cell potential		
Analog outputs from NanoScope® ±10 VDC	Bias	Setpoint voltage			Sample bias			
	Ana.1	Cantilever drive amp.	Set by user	Working electrode potential	Set by user	Tunneling tip potential		
	Ana.2 LV	Configured at factory to control 1X & 8X output attenuation of final stage, but may be reconfigured using jumpers in MultiMode base.[e]						
±220 VDC	Ana.2 HV	22 X Ana.2 LV. See note [e]						
Digital Ouputs from NanoScope®	D0	See note[f]	line sync	cell on/off	line sync	cell on/off		
	D1		frame sync	galv/pot	frame sync	galv/pot		
Motor Lines from NanoScope	A	write strobe/ stepper motor	Stepper motor					
	B	serial in/ stepper motor						
	C	frequency load/step- per motor						
	D	reset synth./ stepper motor						