

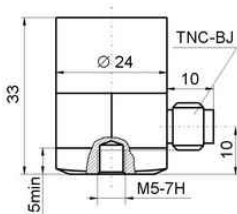


Highly Sensitive Vibration Transducers with  
Built-In Electronics NTIP2050, NTIP99

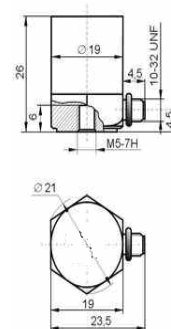


Parameter	Unit	NTIP2050	NTIP99
Axial sensitivity ( $\pm 10\%$ ).....	mV/g <sup>*1</sup>	540...660	500
Relative transverse sensitivity.....	%	< 4	< 5
Amplitude range.....	g <sup>*1</sup>	$\pm 8$	$\pm 10$
Max. shock limit (peak value).....	g <sup>*1</sup>	$\pm 25$	$\pm 500$
Operating temperature range.....	° C	-40...+ 125	
Frequency range (ripple $\pm 1$ dB).....	Hz	0.5...5 000	
Self-resonant frequency in attached condition.....	kHz	> 15	
Noise level, RMS (1Hz...10kHz).....	g <sup>*1</sup>	< 0.000 02	
Output resistance.....	Ohm	< 500	
Voltage power.....	V	+ (18...30)	
Current power.....	mA	2...20	
Constant output voltage level.....	V	10...14	
Design.....	-	Shear	
Bottom insulation.....	-	no	
Housing material.....	-	stainless steel	titanium alloy
Weight (without connector and cable).....	gram	65	35

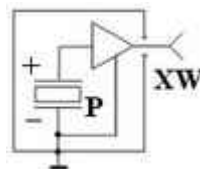
General view of NTIP2050



General view of NTIP99



The typical electrical circuit





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The circuit of connection to a data-acquisition equipment

