



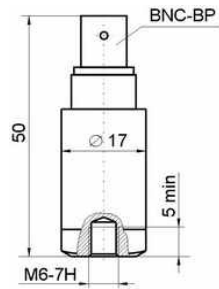
General Purpose Vibration Transducers with  
Built-In Electronics NTIP28-10, NTIP28-30,  
NTIP28-50, NTIP28-100



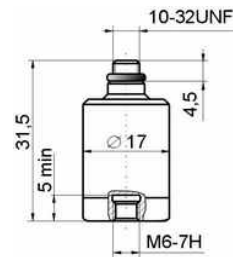
Parameter	Unit	NTIP28-10* <sup>3</sup> (NTIP28-10-01)	NTIP28-30* <sup>3</sup> (NTIP28-30-01)	NTIP28-50* <sup>3</sup> (NTIP28-50-01)	NTIP28-100* <sup>3</sup> (NTIP28-100-01)
Axial sensitivity (± 10 %)	<sup>1</sup> mV/g	10	30	50	100
Relative transverse sensitivity	%	< 5	< 5	< 5	< 5
Amplitude range	g* <sup>1</sup>	± 500	± 160	± 100	± 50
Max. shock limit (peak value)	g* <sup>1</sup>	± 1 000	± 1 000	± 1 000	± 1 000
Operating temperature range	° C	- 40...+ 125	- 40...+ 125	- 40...+ 125	- 40...+ 125
Frequency range (ripple ± 1dB)	Hz	0.5...10 000	0.5...10 000	0.5...10 000	0.5...10 000
Self-resonant frequency in attached condition	kHz	> 30	> 30	> 30	> 30
Noise level, RMS (1Hz...10kHz)	g* <sup>1</sup>	< 0.000 5	< 0.000 2	< 0.000 2	< 0.000 2
Output resistance	Ω	< 500	< 500	< 500	< 500
Voltage power	V	+ (15...30)	+ (15...30)	+ (18...30)	+ (18...30)
Current power	mA	2...20	2...20	2...20	2...20
Constant output voltage level	V	8...11	8...11	10...13	10...13
Design	-	Shear	Shear	Shear	Shear
Bottom insulation	-	no	no	no	no
Connector type	-	BNC (10-32)* <sup>2</sup>	BNC (10-32)* <sup>2</sup>	BNC (10-32)* <sup>2</sup>	BNC (10-32)* <sup>2</sup>
Housing material	-	stainless steel			
Weight (without connector and cable)	gram	40 (25)* <sup>2</sup>	40 (25)* <sup>2</sup>	40 (25)* <sup>2</sup>	40 (25)* <sup>2</sup>



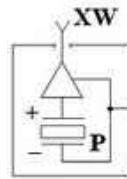
General view of  
NTIP28



General view of  
NTIP28-01



The typical electric circuit



The circuit of connection to a data-acquisition  
equipment

