

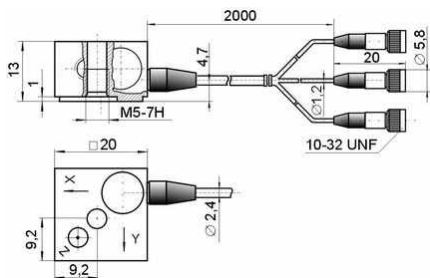


## General Purpose Triaxial Vibration Transducers NTIP38, NTIP80, NTIP81

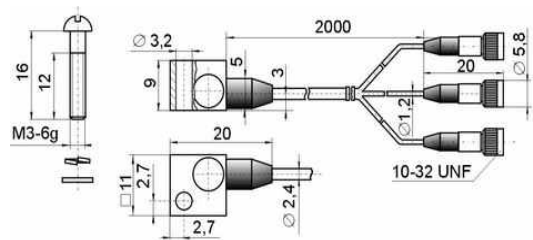


Parameter	Unit	NTIP38 <sup>*3</sup>	NTIP80	NTIP81
Axial sensitivity ( $\pm 20\%$ ).....	pC/g <sup>*1</sup>	10	2	10
Relative transverse sensitivity.....	%	< 5	< 5	< 5
Amplitude range.....	g <sup>*1</sup>	$\pm 5000$	$\pm 2500$	$\pm 2000$
Max. shock limit (peak value).....	g <sup>*1</sup>	$\pm 10000$	$\pm 5000$	$\pm 5000$
Operating temperature range.....	° C	-60...+150	-60...+150	-60...+150
Frequency range (ripple $\pm 1$ dB).....	Hz	0.5...10000	0.5...20000	0.5...10000
Self-resonant frequency in attached condition.....	kHz	> 35	> 55	> 35
Strain sensitivity.....	g • m/ $\mu$ m	< 0.02	< 0.005	< 0.02
Capacitance.....	pF	900...1200	1000	900...1200
Insulation resistance in normal conditions.....	MOhm	> 10000	> 10000	> 10000
Design.....	-	Shear	Shear	Shear
Bottom insulation.....	-	no	no	no
Built-in cable length.....	m	2 <sup>*2</sup>	2 <sup>*2</sup>	2 <sup>*2</sup>
Housing material.....	-	titanium alloy	titanium alloy	titanium alloy
Weight (without connector and cable).....	gram	26 (38)	6 (9)	21 (32)

### General view of NTIP38



### General view of NTIP80





General view of NTIP81 The typical electrical circuit of NTIP38, NTIP80, NTIP81

