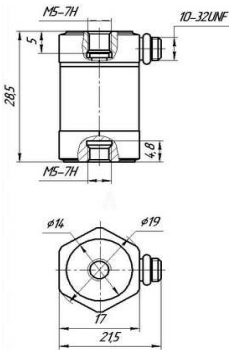
Standard Vibration Transducer NTIP10

Parameter	Unit	NTIP10
Axial sensitivity (± 3 %)	pC/m • s^{-2}	0.102
Relative transverse sensitivity	%	< 3
Amplitude range	m • s^{-2}	0.05...10000
Max. shock limit (peak value)	m • s^{-2}	±20000
Operating temperature range	°C	-60…+200
Frequency range		
- ripple ± 1 %	Hz	4…1250
- ripple ± 3 %	Hz	0.5…5000
- ripple ± 6 %	Hz	0.5…10000
Self-resonant frequency in attached condition	kHz	> 30
Strain sensitivity		
- low base mounting	m • s^{-2}/μm • m^{-1}	< 0.005
- top end mounting	m • s^{-2}/μm • m^{-1}	< 0.01
Capacitance	pF	36
Insulation resistance in normal conditions	MOhm	> 5000
Piezoelectric material	-	Quartz
Design	-	Compression
Bottom insulation	-	no
Housing material	-	Stainless steel
Weight (without connector and cable)	gram	45

General view



Electrical circuit