

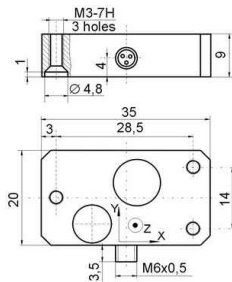


## Three-Axis Vibration Transducers with Built-In Electronics NTIP2083

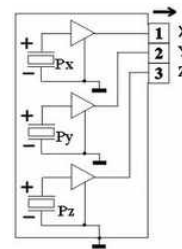


Parameter	Unit	NTIP2083
Axial sensitivity ( $\pm 10\%$ ).....	mV/g <sup>*1</sup>	10
Relative transverse sensitivity.....	%	< 5
Amplitude range.....	g <sup>*1</sup>	$\pm 500$
Max. shock limit (peak value).....	g <sup>*1</sup>	$\pm 500$
Operating temperature range.....	$^{\circ}\text{C}$	- 40...+ 125
Frequency range (ripple $\pm 1\text{ dB}$ ).....	Hz	0.5...10 000
Self-resonant frequency in attached condition.....	kHz	> 30
Noise level, RMS (1 Hz ... 10 kHz).....	g <sup>*1</sup>	< 0.000 5
Output resistance.....	Ohm	< 500
Voltage power.....	V	+ (15...30)
Current power.....	mA	2...20
Constant output voltage level.....	V	8...11
Turn-on time.....	s	4
Design.....	-	Shear
Bottom insulation.....	-	no
Built-in cable length.....	m	-
Housing material.....	-	Titanium alloy
Weight (without connector and cable).....	gram	34

### General view



### Electrical circuit



The circuit of connection to a data-acquisition equipment

