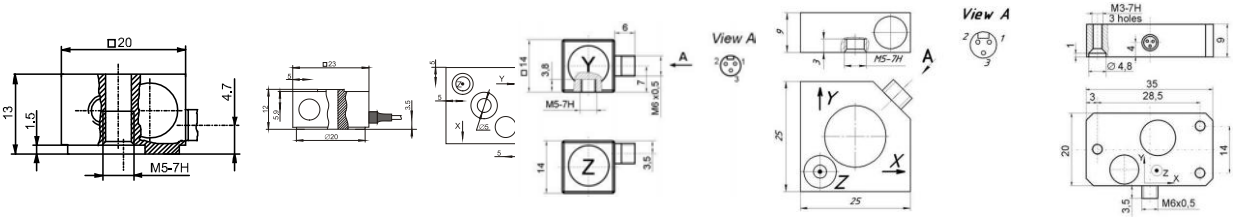
AP38 and AP2038(P) have a central hole for mounting with a M5-bolt. AP2038P has a miniature 3-pin connector at the side and comes with a separate cable AK21. AP79 is designed for underwater use and has a hermetically sealed integral cable.

Triaxial accelerometers

Parameter	Unit	AP38	AP2038(P)	AP2044B	AP2082	AP2083
Charge sensitivity (+/- 10%)	pC/g	10	-	-	-	-
	pC/ms²	1.02	-	-	-	-
Voltage sensitivity (+/- 10%)	mV/g	-	10	10	100	10
	mV/ms²	-	1.02	1.02	10.2	1.02
Amplitude range	g rms	5,000	500	500	50	±500
Resolution (1 Hz to 10 kHz)	g rms	-	0.0005	<0.002	<0.0003	<0.0005
Mechanical shock limit	g peak	10,000	500	500	100	±500
Frequency range (+/- 1 dB)	Hz	0.5 to 10,000	0.5 to 12,000	05 to 12.000	0.5 to 10,000	0.5 to 10,000
Resonant frequency	kHz	>35	>35	36	>30	>30
Max. underwater depth	meter	-	-	-	-	-
Transverse sensitivity	%	<5	<5	<5	<5	<5
Base strain sensitivity	g/µm	<0.02	<0.02	-	-	-
Temperature range	°C	-60 to +150	-40 to +125	-40 to 125	-40 to +125	-40 to +125
Insulation resistance	MΩ	>10,000	-	-	-	-
Capacitance	pF	900 to 1,200	-	-	-	-
Isolated base		No	No	No	No	No
Excitation voltage	Volt DC	-	+15 to +30	+18 to 30	+18 to 30	+15 to +30
Constant current	mA	-	2 to 20	2 to 20	2 to 20	2 to 20
Output impedance	Ω	-	<500	<500	<500	<500
Output bias voltage	Volt DC	-	+8 to +11	10 to 13	18 to 30	8 to 11
Settling time	second	-	4	4	4	4
Construction		Shear	Shear	Shear	Shear	Shear
Piezo material		ZTP19	ZTP19	ZTP19	ZTP19	ZTP19
Sensor connector		-	- 3-pin	3-pin miniature	3-pin miniature	3-pin miniature
Integral cable length	meter	2	2 -	-	-	-
Connecting cable		-	- AK21	AK21	AK21	AK21
Cable connector		3x 10-32 UNF	- 3x BNC	3x BNC	3x BNC	3x BNC
Side/Top connection		Side	- Side	Side	Side	Side
Mounting method		M5 bold	M5 bold	M5 bold	-	3x M3
Housing material		Titanium	Titanium	Titanium	S. steel	Titanium alloy
Weight without cable	gram	26	34	13	26	34
Notes						



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