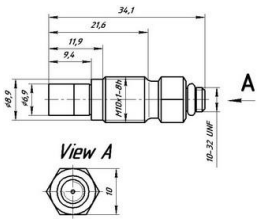
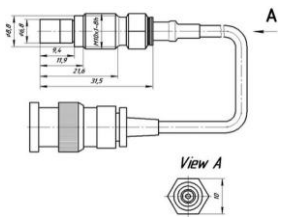
The APTech dynamic pressure transducers offer a wide dynamic range, quartz or lithium niobate sensing element and a long term stability. The PS2001 has a builtin IEPE amplifier and can be used at depth upto 50 metres.

Dynamic pressure transducers

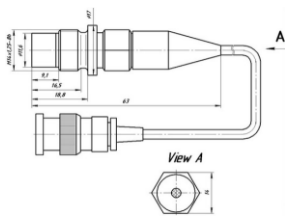
Parameter	Unit	PS02 (-01)		PS2001
Sensitivity	pC/bar	4		
	mV/bar			200
Measurement range	bar	1 to 2,500		0.1 to 50
Resonant frequency	kHz	> 200		> 120
Linearity	%	>2%		>2%
Temperature range	°C	-50 to +200		-40 to +125
Output signal polarity		positive		positive
Capacitance w.o. cable	pF	20		-
Insulation resistance	□	>5.10^9		-
Excitation voltage	**Volt DC**	-		+15 to +30
Constant current	**mA**	-		2 to 20
Output impedance	**Ω**	-		<500
Output bias voltage	**Volt DC**	-		8 to 11
Sensor element		Quartz		Quartz
Housing material		Stainless steel		Stainless steel
Membrane material		Stainless steel		Stainless steel
Integral cable length	m	-	2	2
Cable connector		10-32 UNF	BNC	BNC
Connecting cable		AK04	-	-
Weight	gram	12		40



PS02



PS02-01



PS2001

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