

The AP Tech 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

PS02 (-01)



PS2001



Parameter	Unit		
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 <sup>9</sup>	-
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
Cable connector		10-32 UNF	BNC
Connecting cable		AK04	-
Weight	gram	12	40

