

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 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 |
| Cable connector | | 10-32 UNF | BNC |
| Connecting cable | | AK04 | - |
| Weight | gram | 12 | 40 |

