



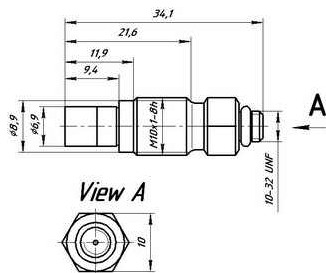
Dynamic Pressure Transducers NTIPS02,

NTIPS02-01

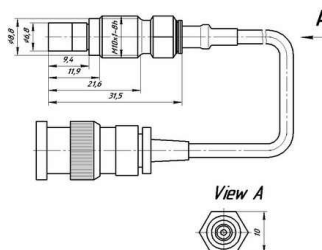


| Parameter                       | Unit                | NTIPS02                      | NTIPS02-01 <sup>*3</sup> |
|---------------------------------|---------------------|------------------------------|--------------------------|
| Sensitivity ( $\pm 20\%$ )..... | pC/bar              | 4                            |                          |
| Measured range.....             | bar                 | 1...2 500                    |                          |
| Resonance frequency.....        | kHz                 | > 200                        |                          |
| Nonlinearity.....               | -                   | < 2 % (from full scale)      |                          |
| Acceleration sensitivity.....   | bar/g <sup>*1</sup> | < 0.001                      |                          |
| Operating temperature range.... | ° C                 | - 50...+ 200                 |                          |
| Polarity.....                   | -                   | positive                     |                          |
| Capacitance.....                | pF                  | 20                           |                          |
| Insulation resistance.....      | Ohm                 | $\geq 5 \cdot 10^9$          |                          |
| Sensing element.....            | -                   | quartz                       |                          |
| Housing material.....           | -                   | Stainless steel              |                          |
| Membrane material.....          | -                   | Stainless steel              |                          |
| Built-in cable length.....      | m                   | -                            | 2 <sup>*2</sup>          |
| Connector type.....             | -                   | 10-32UNF (BNC) <sup>*2</sup> |                          |
| Weight (without cable).....     | gram                | 12                           |                          |

General view of NTIPS02



General view of NTIPS02-01



\*1 -  $1g = 9.807 \text{ m} \cdot \text{s}^{-2}$  or  $10 \text{ m} \cdot \text{s}^{-2} = 1.02 \text{ g}$ ;

\*2 - to be determined when making out an order;

\*3 - leakproof (can be used at a depth upto 50 m).