

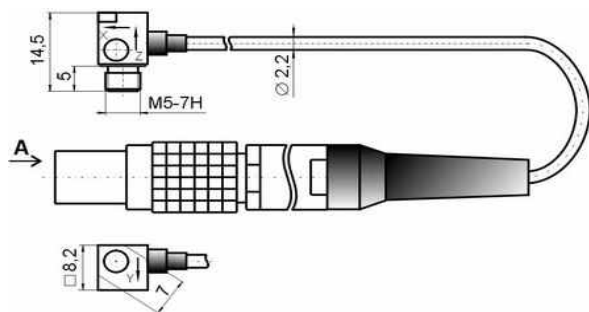


## Miniature Three-Axis Vibration Transducer with Built-In Electronics NTIP2022



| Parameter  | Unit               | NTIP2022       |
|--|--------------------|----------------|
| Axial sensitivity ( $\pm 10\%$ ).....              | mV/g <sup>*1</sup> | 10             |
| Relative transverse sensitivity.....               | %                  | < 5            |
| Amplitude range.....                               | g <sup>*1</sup>    | $\pm 450$      |
| Max.shock limit (peak value).....                  | g <sup>*1</sup>    | $\pm 1000$     |
| Operating temperature range.....                   | ° C                | -40...+125     |
| Frequency range (ripple $\pm 1$ dB).....           | Hz                 | 10...20000     |
| Self-resonant frequency in attached condition..... | kHz                | > 60           |
| Noise level, RMS (1 Hz ... 10 kHz).....            | g <sup>*1</sup>    | < 0.001        |
| Output resistance.....                             | Ohm                | < 500          |
| Voltage power.....                                 | V                  | +(18...30)     |
| Current power.....                                 | mA                 | 2...20         |
| Constant output voltage level.....                 | V                  | 10...13        |
| Turn-on time.....                                  | s                  | 4              |
| Design.....  | -                  | Shear          |
| Bottom insulation.....                             | -                  | no             |
| Built-in cable length.....                         | m                  | 2              |
| Connector type.....                                | -                  | LEM08          |
| Housing material.....                              | -                  | titanium alloy |
| Weight (without connector and cable).....          | gram               | 4              |

### General view of NTIP2022



### Electrical circuit (view A)

