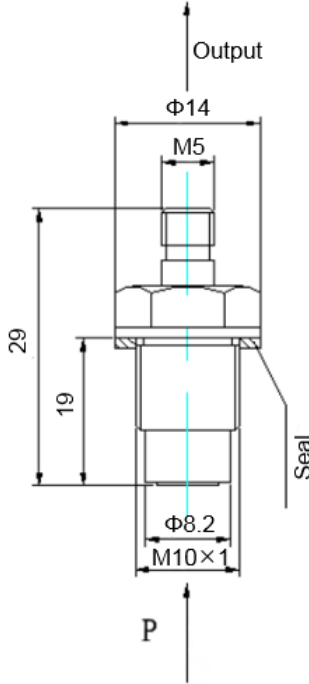
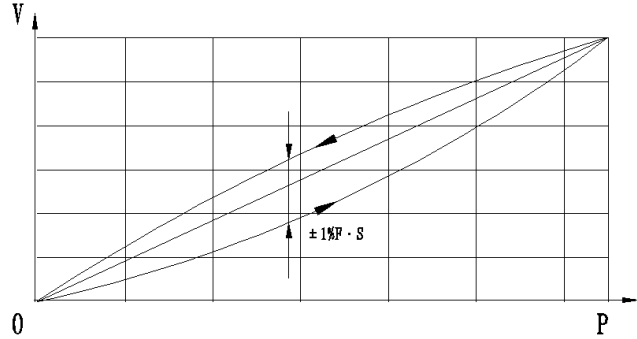


| Product Model: <b>601P series</b>                                                                                                                                                                                                                                                                                                                                                                                 |                 | Quartz Dynamic Pressure Sensor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     | Version: <b>A</b> Date: <b>2022-5-6</b>                     |               |             |             |                   |         |                   |      |               |          |            |          |               |          |           |         |                    |          |                   |               |                       |                     |                 |        |         |                |        |       |          |       |                  |    |                  |                 |                                                                                     |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------------------------------------------------|---------------|-------------|-------------|-------------------|---------|-------------------|------|---------------|----------|------------|----------|---------------|----------|-----------|---------|--------------------|----------|-------------------|---------------|-----------------------|---------------------|-----------------|--------|---------|----------------|--------|-------|----------|-------|------------------|----|------------------|-----------------|-------------------------------------------------------------------------------------|--|
| <p><b>YMC 601P series</b>, dynamic pressure sensor, is designed to measure low-level pressure activity under high static pressure.</p> <p>Features:</p> <ul style="list-style-type: none"><li>• Sturdy construction</li><li>• Small size and light</li><li>• Quartz sensing</li><li>• High sensitivity accelerometer</li></ul>  |                 | <table><tr><th>Performance</th><th><b>601P01</b></th></tr><tr><td>Sensitivity</td><td>1000 pC/MPa</td></tr><tr><td>Measurement Range</td><td>0-1 MPa</td></tr><tr><td>Overload Capacity</td><td>120%</td></tr><tr><td>Non-linearity</td><td>≤1% F.S.</td></tr><tr><td>Hysteresis</td><td>≤1% F.S.</td></tr><tr><td>Repeatability</td><td>≤1% F.S.</td></tr><tr><td>Rise Time</td><td>≤2.0 μs</td></tr><tr><td>Resonant Frequency</td><td>≥200 kHz</td></tr><tr><td>Temperature Range</td><td>-54 ~ +150 °C</td></tr><tr><td>Insulation Resistance</td><td>≥10<sup>12</sup>Ω</td></tr><tr><td>Sensing Element</td><td>Quartz</td></tr><tr><td>Size mm</td><td>As left figure</td></tr><tr><td>Weight</td><td>~15 g</td></tr><tr><td>Mounting</td><td>M10X1</td></tr><tr><td>Output Connector</td><td>M5</td></tr><tr><td>Housing Material</td><td>Stainless Steel</td></tr></table> |                     | Performance                                                 | <b>601P01</b> | Sensitivity | 1000 pC/MPa | Measurement Range | 0-1 MPa | Overload Capacity | 120% | Non-linearity | ≤1% F.S. | Hysteresis | ≤1% F.S. | Repeatability | ≤1% F.S. | Rise Time | ≤2.0 μs | Resonant Frequency | ≥200 kHz | Temperature Range | -54 ~ +150 °C | Insulation Resistance | ≥10 <sup>12</sup> Ω | Sensing Element | Quartz | Size mm | As left figure | Weight | ~15 g | Mounting | M10X1 | Output Connector | M5 | Housing Material | Stainless Steel |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                   |                 | Performance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>601P01</b>       |                                                             |               |             |             |                   |         |                   |      |               |          |            |          |               |          |           |         |                    |          |                   |               |                       |                     |                 |        |         |                |        |       |          |       |                  |    |                  |                 |                                                                                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                   |                 | Sensitivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1000 pC/MPa         |                                                             |               |             |             |                   |         |                   |      |               |          |            |          |               |          |           |         |                    |          |                   |               |                       |                     |                 |        |         |                |        |       |          |       |                  |    |                  |                 |                                                                                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                   |                 | Measurement Range                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0-1 MPa             |                                                             |               |             |             |                   |         |                   |      |               |          |            |          |               |          |           |         |                    |          |                   |               |                       |                     |                 |        |         |                |        |       |          |       |                  |    |                  |                 |                                                                                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                   |                 | Overload Capacity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 120%                |                                                             |               |             |             |                   |         |                   |      |               |          |            |          |               |          |           |         |                    |          |                   |               |                       |                     |                 |        |         |                |        |       |          |       |                  |    |                  |                 |                                                                                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                   |                 | Non-linearity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ≤1% F.S.            |                                                             |               |             |             |                   |         |                   |      |               |          |            |          |               |          |           |         |                    |          |                   |               |                       |                     |                 |        |         |                |        |       |          |       |                  |    |                  |                 |                                                                                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                   |                 | Hysteresis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ≤1% F.S.            |                                                             |               |             |             |                   |         |                   |      |               |          |            |          |               |          |           |         |                    |          |                   |               |                       |                     |                 |        |         |                |        |       |          |       |                  |    |                  |                 |                                                                                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                   |                 | Repeatability                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ≤1% F.S.            |                                                             |               |             |             |                   |         |                   |      |               |          |            |          |               |          |           |         |                    |          |                   |               |                       |                     |                 |        |         |                |        |       |          |       |                  |    |                  |                 |                                                                                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                   |                 | Rise Time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ≤2.0 μs             |                                                             |               |             |             |                   |         |                   |      |               |          |            |          |               |          |           |         |                    |          |                   |               |                       |                     |                 |        |         |                |        |       |          |       |                  |    |                  |                 |                                                                                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                   |                 | Resonant Frequency                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ≥200 kHz            |                                                             |               |             |             |                   |         |                   |      |               |          |            |          |               |          |           |         |                    |          |                   |               |                       |                     |                 |        |         |                |        |       |          |       |                  |    |                  |                 |                                                                                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                   |                 | Temperature Range                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -54 ~ +150 °C       |                                                             |               |             |             |                   |         |                   |      |               |          |            |          |               |          |           |         |                    |          |                   |               |                       |                     |                 |        |         |                |        |       |          |       |                  |    |                  |                 |                                                                                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                   |                 | Insulation Resistance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ≥10 <sup>12</sup> Ω |                                                             |               |             |             |                   |         |                   |      |               |          |            |          |               |          |           |         |                    |          |                   |               |                       |                     |                 |        |         |                |        |       |          |       |                  |    |                  |                 |                                                                                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                   |                 | Sensing Element                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Quartz              |                                                             |               |             |             |                   |         |                   |      |               |          |            |          |               |          |           |         |                    |          |                   |               |                       |                     |                 |        |         |                |        |       |          |       |                  |    |                  |                 |                                                                                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                   |                 | Size mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | As left figure      |                                                             |               |             |             |                   |         |                   |      |               |          |            |          |               |          |           |         |                    |          |                   |               |                       |                     |                 |        |         |                |        |       |          |       |                  |    |                  |                 |                                                                                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                   |                 | Weight                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ~15 g               |                                                             |               |             |             |                   |         |                   |      |               |          |            |          |               |          |           |         |                    |          |                   |               |                       |                     |                 |        |         |                |        |       |          |       |                  |    |                  |                 |                                                                                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                   |                 | Mounting                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | M10X1               |                                                             |               |             |             |                   |         |                   |      |               |          |            |          |               |          |           |         |                    |          |                   |               |                       |                     |                 |        |         |                |        |       |          |       |                  |    |                  |                 |                                                                                     |  |
| Output Connector                                                                                                                                                                                                                                                                                                                                                                                                  | M5              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |                                                             |               |             |             |                   |         |                   |      |               |          |            |          |               |          |           |         |                    |          |                   |               |                       |                     |                 |        |         |                |        |       |          |       |                  |    |                  |                 |                                                                                     |  |
| Housing Material                                                                                                                                                                                                                                                                                                                                                                                                  | Stainless Steel |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |                                                             |               |             |             |                   |         |                   |      |               |          |            |          |               |          |           |         |                    |          |                   |               |                       |                     |                 |        |         |                |        |       |          |       |                  |    |                  |                 |                                                                                     |  |
| <p>Typical static calibration error curve</p>                                                                                                                                                                                                                                                                                 |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |                                                             |               |             |             |                   |         |                   |      |               |          |            |          |               |          |           |         |                    |          |                   |               |                       |                     |                 |        |         |                |        |       |          |       |                  |    |                  |                 |                                                                                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                     | <p><b>扬州英迈克测控技术有限公司</b><br/><b>YMC PIEZOTRONICS INC</b></p> |               |             |             |                   |         |                   |      |               |          |            |          |               |          |           |         |                    |          |                   |               |                       |                     |                 |        |         |                |        |       |          |       |                  |    |                  |                 |                                                                                     |  |
| Accessories                                                                                                                                                                                                                                                                                                                                                                                                       |                 | 1. Coaxial shielded cable 1ea 2m<br>2. Certificate of inspection 1ea                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                     |                                                             |               |             |             |                   |         |                   |      |               |          |            |          |               |          |           |         |                    |          |                   |               |                       |                     |                 |        |         |                |        |       |          |       |                  |    |                  |                 |                                                                                     |  |
| Remark                                                                                                                                                                                                                                                                                                                                                                                                            |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |                                                             |               |             |             |                   |         |                   |      |               |          |            |          |               |          |           |         |                    |          |                   |               |                       |                     |                 |        |         |                |        |       |          |       |                  |    |                  |                 |                                                                                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                   |                 | Addr.:No.47 Xiangyun Road Yangzhou China    Post code:225009<br>Website:www.chinaymc.com                      E-mail:sales@chinaymc.com<br>Tel.:0514-87960802                                  Fax:0514-87960681                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                     |                                                             |               |             |             |                   |         |                   |      |               |          |            |          |               |          |           |         |                    |          |                   |               |                       |                     |                 |        |         |                |        |       |          |       |                  |    |                  |                 |                                                                                     |  |

