# PPS-ICP-F10 - Flush IEPE pressure configuration

Source-documented quotation configuration. Final specifications, availability, price and delivery require written confirmation.

Source model: KD2004L. Catalogue data is not a serial-unit calibration record or an approved manufacturing drawing.



Edited supplier rendering - KD2004L

| | |
|---|---|
| Output | IEPE voltage output |
| Pressure reference | Dynamic pressure excursion; static preload/reference to confirm |
| Source temperature | -40 to +120 deg C; exact duty to confirm |
| Mount | M10x1 |
| Electrical connection | M5 |
| Body envelope | 12.8 x 38 mm; source dimensions, not a port drawing |
| Excitation | 24-28 VDC supply; source table 2-10 mA; cable-drive review required |

Source catalogue full-scale options. Reference, static loading, negative phase and exact ordered variant require review.

## Source ranges and response limits

| Full scale | Source sensitivity | Natural / resonant frequency | Catalogue rise | Variant note |
|---|---|---|---|---|
| 1 MPa / 10 bar / 145.0 psi | 5000 mV/MPa | >=200 kHz | <=2 us | high-piezoelectric crystal; composition unspecified |
| 5 MPa / 50 bar / 725.2 psi | 1000 mV/MPa | >=200 kHz | <=2 us | high-piezoelectric crystal; composition unspecified |
| 20 MPa / 200 bar / 2900.8 psi | 250 mV/MPa | >=200 kHz | <=2 us | quartz |
| 50 MPa / 500 bar / 7251.9 psi | 100 mV/MPa | >=200 kHz | <=2 us | quartz |
| 100 MPa / 1000 bar / 14503.8 psi | 50 mV/MPa | >=200 kHz | <=2 us | quartz |

Catalogue resonance and rise-time labels are not calibrated flat bandwidth. Rise-time percentage and incident/reflected geometry are not established by this table.

Resonance is not calibrated flat bandwidth. Catalogue rise-time percentage and incident/reflected geometry require confirmation where unspecified.

## Confirm before accepting a final specification

1. Confirm medium/wetted-material compatibility and pressure reference.

2. Obtain the approved installation drawing, seal, torque and connector pinout.

3. Request the installed amplitude/phase response and calibration scope.

4. M10x1 is the pressure mount. The electrical connector is labeled M5 without pitch/pinout; do not infer M5x0.5 or 10-32.

5. Source table lists 2-10 mA while long-cable prose suggests over 10 mA; reconcile against the selected electronics before use.

## Source and quotation path

KD2004L supplier catalogue

https://www.yzkds.com/product/849.html

Request this configuration at PiezoPressureSensor.com

Supply pressure reference, actual extrema, event response, medium, temperature, port drawing and conditioning requirements. Ask for the approved drawing and any unit-specific calibration evidence required by your acceptance plan.