PPS-BLT-P10 - Free-field IEPE air-probe configuration

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

Source model: KD2002L. Catalogue data is not a serial-unit calibration record or an approved manufacturing drawing.



Edited supplier rendering - KD2002L

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	clamp
Electrical connection	TNC
Body envelope	22.3 x 410 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	>=250 kHz	<=2 us	high-piezoelectric crystal; composition unspecified
5 MPa / 50 bar / 725.2 psi	1000 mV/MPa	>=250 kHz	<=2 us	high-piezoelectric crystal; composition unspecified
25 MPa / 250 bar / 3625.9 psi	200 mV/MPa	>=250 kHz	<=2 us	quartz
50 MPa / 500 bar / 7251.9 psi	100 mV/MPa	>=250 kHz	<=2 us	quartz
100 MPa / 1000 bar / 14503.8 psi	50 mV/MPa	>=250 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. Source table lists 2-10 mA while long-cable prose suggests over 10 mA; reconcile against the selected electronics before use.

5. Free-field air arrangement; source rise-time geometry is not defined. Not a validated ToA microsensor.

Source and quotation path

KD2002L supplier catalogue

https://www.yzkds.com/product/844.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.