PPS-BLT-U10 - Tourmaline IEPE water-probe configuration

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

Source model: KD2101L. Catalogue data is not a serial-unit calibration record or an approved manufacturing drawing.

Edited supplier rendering - KD2101L

Output	Tourmaline with IEPE electronics
Pressure reference	Dynamic pressure excursion; static preload/reference to confirm
Source temperature	-20 to +50 deg C; exact duty to confirm
Mount	suspended/free-field
Electrical connection	integral BNC
Body envelope	12 x 200 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
7 MPa / 70 bar / 1015.3 psi	700 mV/MPa	>=1000 kHz	<=1.5 us	tourmaline
20 MPa / 200 bar / 2900.8 psi	250 mV/MPa	>=1000 kHz	<=1.5 us	tourmaline
50 MPa / 500 bar / 7251.9 psi	100 mV/MPa	>=1000 kHz	<=1.5 us	tourmaline
100 MPa / 1000 bar / 14503.8 psi	50 mV/MPa	>=1000 kHz	<=1.5 us	tourmaline

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. Tourmaline IEPE, not PVDF; source <=1.5 us is not a 50 ns hydrophone specification.

Source and quotation path

KD2101L supplier catalogue

https://www.yzkds.com/product/847.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.