PPS-PRZ-F10 - Thin absolute surface-pressure configuration

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

Source model: CYG512. Catalogue data is not a serial-unit calibration record or an approved manufacturing drawing.



Edited supplier photograph - CYG512

Output	Differential millivolts; bridge-compatible conditioning
Pressure reference	Absolute
Source temperature	-40 to +85 deg C or -55 to +125 deg C source options; confirm ordered option
Package	1.2 mm source thickness; 6/8 mm diameter options, 0.15 mm flex
Excitation	Parameter table: 1 mA; ordering alternatives list 1.5 mA or 12 VDC. Resolve the exact bridge configuration.
Output level	Source 30-130 mV full scale; 80 mV typical, not range-paired
Medium	Source description: air; non-corrosive, nonconductive, dry clean gas only after confirmation
Conditioner limits	Source lists 20 kHz voltage-output conditioning; 4-20 mA footnote limits that output to 1 kHz. No 150 kHz chain is established.

Source absolute full-scale ranges include the static baseline. The required working headroom must be checked.

Source ranges and response limits

Full scale	Source sensitivity	Natural / resonant frequency	Catalogue rise	Variant note
0.05 MPa / 0.5 bar / 7.3 psi absolute	Not range-paired	Not range-paired / not stated	Not stated	Absolute; diameter/range combination to confirm
0.1 MPa / 1 bar / 14.5 psi absolute	Not range-paired	Not range-paired / not stated	Not stated	Absolute; diameter/range combination to confirm
0.15 MPa / 1.5 bar / 21.8 psi absolute	Not range-paired	Not range-paired / not stated	Not stated	Absolute; diameter/range combination to confirm
0.3 MPa / 3 bar / 43.5 psi absolute	Not range-paired	Not range-paired / not stated	Not stated	Absolute; diameter/range combination to confirm
0.6 MPa / 6 bar / 87.0 psi absolute	Not range-paired	Not range-paired / not stated	Not stated	Absolute; diameter/range combination to confirm
1 MPa / 10 bar / 145.0 psi absolute	Not range-paired	Not range-paired / not stated	Not stated	Absolute; diameter/range combination to confirm
1.5 MPa / 15 bar / 217.6 psi absolute	Not range-paired	Not range-paired / not stated	Not stated	Absolute; diameter/range combination to confirm
3 MPa / 30 bar / 435.1 psi absolute	Not range-paired	Not range-paired / not stated	Not stated	Absolute; diameter/range combination to confirm

No dynamic bandwidth, natural-frequency or rise-time number is stated in the inspected table. Do not infer 150 kHz capability.

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 exact pressure reference, excitation, sensitivity and pinout for the quoted assembly.

2. Request usable installed response and the required calibration deliverables.

3. Obtain an approved dimensional/port drawing; catalogue dimensions do not establish a drop-in fit.

4. This source drawing is 1.2 mm, not the 0.76 mm of certain original OEM flatpacks.

5. The 1 mA parameter table and 1.5 mA/12 VDC ordering alternatives require confirmation; they are not interchangeable supply settings.

Source and quotation path

CYG512 supplier table and installation source

http://www.sqsensor.com/content/?198.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.