



**SARDAR VALLABHBHAI NATIONAL
INSTITUTE OF TECHNOLOGY, SURAT-395 007**

No. MED/Project Grant (4/400)/NAB/^{3863 / 2553} /24-25

Date: 13/01/2025

To,

Institute Website

16 JAN. 2025

SUB: - Enquiry for Supply of Pressure Transducer with Accessories

Dear Sir,

You are requested to quote your prices for supply of stores listed overleaf. The quotations may be sent to the undersigned in a sealed envelope and subscribed as: "Quotation with reference to Enquiry No. MED/Project Grant (4/400)/NAB/^{3863 / 2553} /24-25 dtd:13/01/2025. Your quotation should reach the undersigned on or before **29/01/2025 at 5:00 pm.**

The quotations should be furnished with the following information.

- 1) The brand or make of each item should be specifically stated and wherever necessary, Complete set of specifications and dimensions should be given.
- 2) If asked, samples are accompanying the quotations
- 3) Sales tax, General tax, Central Sales tax, Custom duty, Insurance charges, Packing and Forwarding charges, if not included in the prices quoted, should be clearly specified.
- 4) The period of validity of the quotation should be at least 30 Days. Offers subject to prior sale may please be avoided.
- 5) The delivery period is to be clearly mentioned in the quotation.
- 6) The mode of delivery of the stores may be mentioned. The delivery should be F.O.R. Surat or at the Institute.
- 7) All concessions available to an educational institution should be specified and also taken into account while quoting.
- 8) This Institute is located within the limits of S.M.C. & exempted from the paying of octroi duty on incoming goods from outside limits of S.M.C.
- 9) This Institute is registered with the dept. of scientific & industrial Research (DSIR) for the purpose of availing custom duty exemption & central excise duty exemption, and hence the certificate to this effect will be issued wherever it is necessary on demand.
- 10) Payment is normally made by cheque drawn on the S.V.N.I.T. Branch Office of State Bank of India, Surat-395007 within a period of thirty days from the date of receipt of stores.
- 11) Your specifications & terms- conditions should be as per the format attached, must be on your company letterhead & signed by an authorized person.
- 12) Offered quotation may be rejected if any ambiguity is found in offered specifications, terms & conditions supplied by party in specified tabular format.
- 13) The Director reserves the right to accept stores, which are not strictly in confirming with the specifications but otherwise, found suitable.

Yours faithfully,

Shankar 16.1.25

Willif

Head, Mech. Engg. Dept.

Technical Specifications of Pressure Transducer with Accessories

Sr. No.	Specification	Requirement
1.	Measurement Range	689.4 kPa
	Useful Over range	1378 kPa
	Sensitivity	7.25 mV/kPa
	Maximum Pressure	6895 kPa
	Resolution	0.007 kPa
	Resonant Frequency	≥ 500 kHz
	Rise Time	≤ 1 μ sec
	Low Frequency Response (- 5 %)	0.5 Hz
	Non-Linearity	$\leq 1.0\%$ FS
	Acceleration Sensitivity	0.0014 kPa/(m/s ²)
	Temperature Range (Operating)	-73 to 135 °C
	Temperature Coefficient of Sensitivity	≤ 0.054 %/°C
	Maximum Flash Temperature	1650 °C
	Maximum Vibration	19600 m/s ² pk
	Maximum Shock	196,000 m/s ² pk
	Discharge Time Constant (at room temp)	>1.0 sec
	Excitation Voltage	20 to 30 VDC
	Constant Current Excitation	2 to 20 mA
	Output Impedance	≤ 100 Ohm
	Output Bias Voltage	8 to 14 VDC
	Sensing Element	Quartz
	Housing Material	Stainless Steel
	Diaphragm	Invar
Sealing	Welded Hermetic	
Co-axial cables – 50 ft (2 Qty.)	Low Noise Coaxial cable, blue TFE jacket, 50 ft, 10-32 Coaxial plug to BNC plug	
Co-axial cables – 3 ft. (2 Qty.)	Low noise co-axial cable, blue TFE jacket, 3 ft, BNC plug to BNC plug	
Signal Conditioner	Not Required	

W. H. H.