



# Marine India

## Quotation 2017-18

Dear Sir,

Refer to your enquiry for strain measurement unit.

Kindly find attached herewith the quotation for the said item along with the terms and conditions. The proposed system is fully designed and developed by our company and has recognition in the industry. The new system is digital and computer interfaced. Total operations are performed by PC and are fully automatic. The following tests can be performed with the system.

- Strain Measurement System

S.no,	Item	Price (INR)
1	Strain measurement system	7,12,400/-
2	Sensor attachment sample holder etc	Included
3	Amplifier 4KV	4,00,000/-
4.	Measurement Software for stain measurement	Included
5.	Installation	Included
6.	<b>GST 18% will be applicable charged extra</b>	extra

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New Delhi – 110063 Ph 91 11 41428187, Fax 91 11 25414189

[www.marineindia.com](http://www.marineindia.com)



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A proprietary nature certificate for sole manufacturers in India is also attached herewith.

We hope you will find the attached information in order and remain at your disposal for any information that you may require.

Thanking you

A handwritten signature in black ink, consisting of a series of loops and a long horizontal stroke that ends in a small hook.

Yours truly,  
For Marine India

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## Technical specifications

Following is the technical specifications of the PE measurement setup for bulk samples.

### Strain measurement System

- Frequency 1 Hz - 1Khz
- Measurement Resolution 16 bit
- 12 bit Wave form generator
- Wave form sine and triangular both
- Complete data transfer to standard software like Origin xls.
- Full PC controlled operation using PC USB/ISA interface
- 19 inches rack mountable unit

### STRAIN measurement system

- LVDT Sensor
- 16 bit PCI digital input/output card 8 dual channel
- PCI signal conditioner (Analogue to digital converter) card 8 dual channel
- Data collection and processing software
- Interconnecting interface box.

### High Voltage Amplifier

- |                  |                 |
|------------------|-----------------|
| - Output Voltage | : 0 to 5 kV     |
| - Output Current | : 0 to 10mA     |
| - Frequency      | : 1 Hz to 1 KHz |
| - Input          | : 10 V bipolar  |
| - Output         | : bipolar       |
| - Accuracy       | : 1% of range   |
| - Resolution     | : 0.1% of range |

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## Temperature stage

- Temperature RT- 200 degree with PID control
- (Silicon oil capacity 250 degrees)
- Furnace and sample holder for bulk
- Silicon oil 500ml

## Other accessories

Requirements from customer side

- Minimum sample resistance should be 10 Mega
- A current limit of 2mA is set as default
- A normal PIV computer with windows xp to be provided by user for installation else optional price is quoted.

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Our measurement systems are supplied to many organizations in India. Some of the list users are mentioned below:

- Solid State Lab (SSPL) Delhi
- Indian Institute of Science Bangalore
- CAT indore
- Rajkot Saurashtra University
- IIT roorkee
- Shimla university
- Cat indore
- North Orisa University
- Delhi University
- Jawahar Lal Nehru University
- IASC Calcutta
- DMRL hydrabad
- Osmania Univeristy
- S.N Bose institute kolkata

The full list is very exhaustive but above is only few major references.

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## TERMS AND CONDITIONS

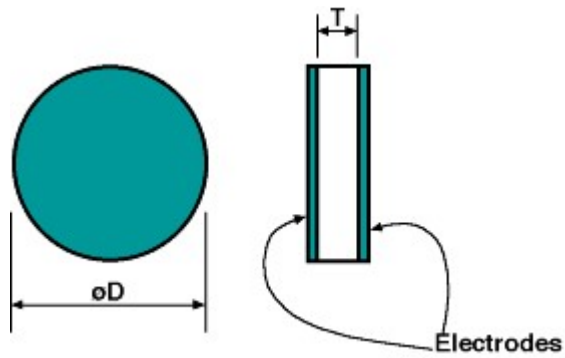
- Price is inclusive of all accessories and installation charges
- Payment terms: 50% advance and balance 50% at the time of delivery and installation
- Warranty 1 year from date of installation
- Delivery: 60 days from receipt of order
- Factory Inspection at Delhi (Optional)
- Proprietary certificate included
- Intimation of readiness of material
- Road permit to be provided by user.
- Prices valid up- 120 days from the date of offer

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Test sample material details

Following is the test material details



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## PROPRIETARY CERTIFICATE

**Ref:** Your enquiry for Strain measurement system/proprietary certificate

2017

*This to certify that, strain measurement systems are products of our company.*

*We are the sole manufacturers of this kind of system in India. The product is fully designed and developed by our company. The installation of the system shall be performed by our qualified engineer.*

*Thanking you*

A handwritten signature in black ink, appearing to be "U. J. U." with a long horizontal line above it.

*For Marine India  
(Prop.)*

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