

Quotation 2017- 18

Subject; Pyro measurement system

Dear Sir,

Refer to your enquiry for pyro measurement system.

Kindly find attached here below the quotation for the said item along with the terms and conditions.

Please note that the similar item is installed to many scientific organizations list below:

- Solid State Lab (SSPL) Delhi
- GVM college Sonapat
- NPL, NEW DELHI
- NIT kurushetra

Specification of pyro measurement system.

Current measurement range

- 100 Pico A to 10 mA

Temperature range

Range 1

- – 100 degree C to 250 degree C in low temp attachment

Range II

- RT to 550 degree C in high temp attachment
- Accuracy 1 degree
- Resolution 0.1 degree

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Ph 91 11 41428187. Fax 91 11 25414189

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Various items and attachments Included

Current meter

- Current range 100 pico A to 10 m A
- Resolution 1% of the range
- Voltage compliance 100 Volts

Temperature Stage

- SS construction sample holder RT – 500 degree C
- Facility to load bulk pellet of size 2 mm to 25 mm dia or rectangular pellet for four probe setup of size 16*4*2 mm
- PID controlled heating arrangement using NX4 controller having RS232 interface
- 2.5 K watt thyrester power supply
- RS232 PCI card to control the temperature controller.

- Sample holder shall have 4 connections on top plate for connection to current source and DC voltmeter 2 nos connector for heater and thermocouple sensor each .

Software

- Software to set field automatically for all four quadrant
- Standard graph and data in tabular form for following
 - o I/V Current vs voltage in fixed interval
 - o DC resistivity at different temperatures

- RS232/USB interface hardware.

Software Requirements

- A normal PIV computer to be provided by the user

Price Details and Terms & Conditions

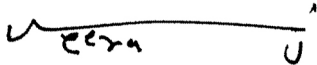
Pyro measurement system
(Rs eight lakh only)

Rs 8,00,000/-

- From 1st July GST @ 18% will be charged extra
- Payment 100% against delivery
- Performa invoice will be provided after material is ready for inspection
- Warranty 1 year from date of installation
- Warranty certificate shall be provided

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

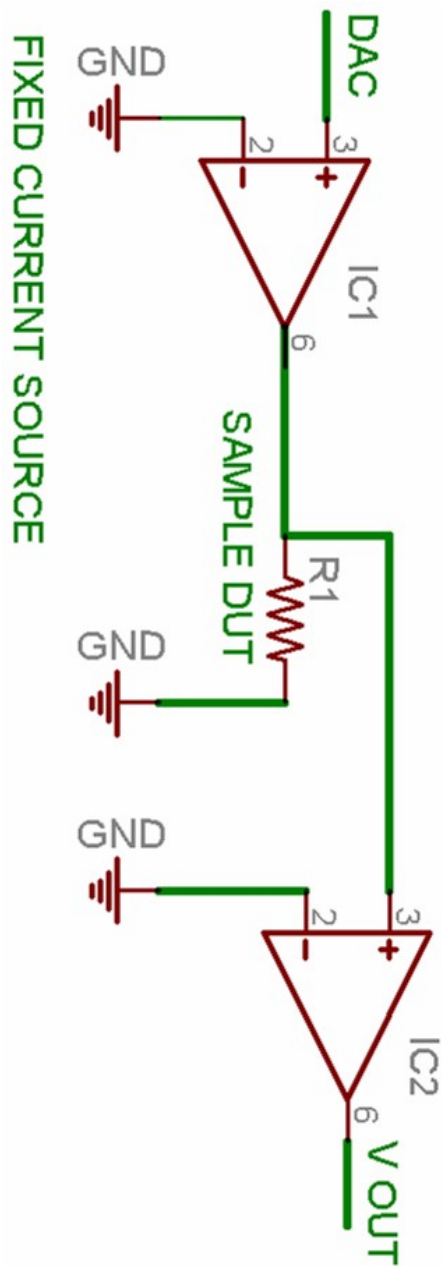
Thanking you



Yours truly,
For Marine India

Block diagram of the Pyro measurement setup

Following is the block diagram of the basic system



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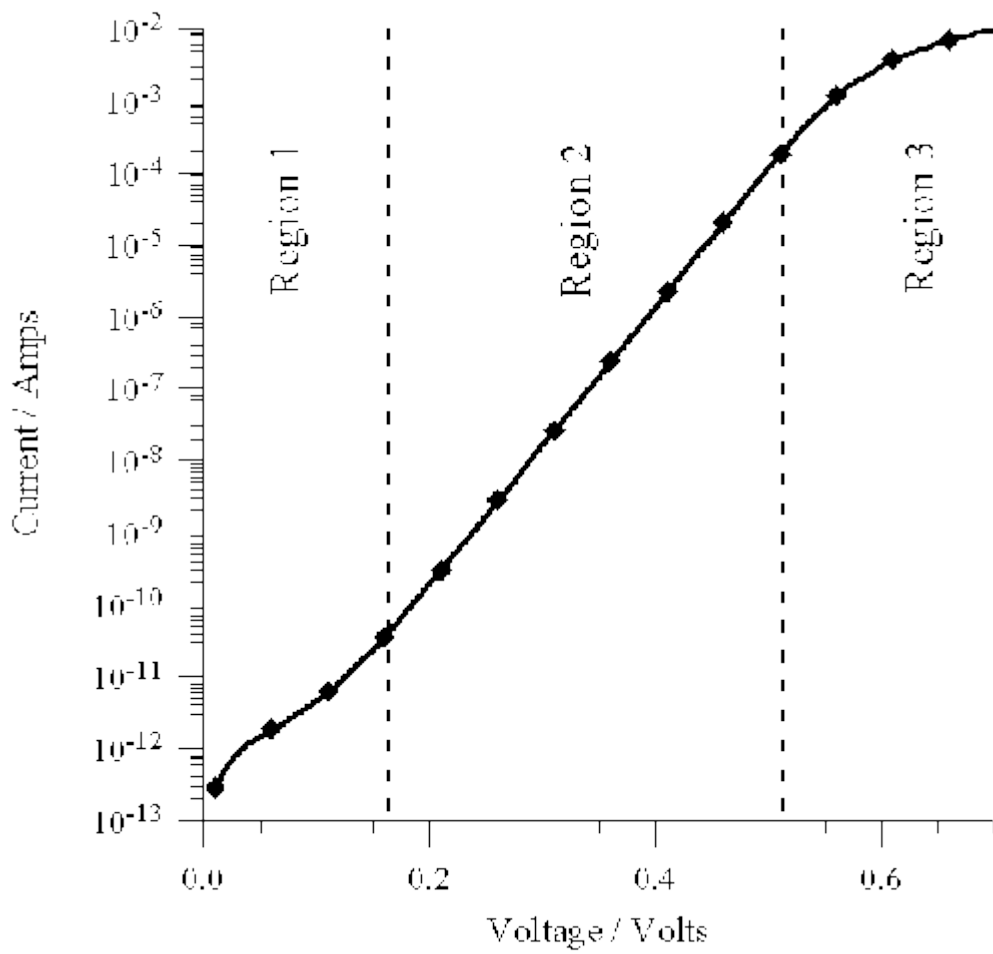
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Document N°001

Sub components photos/dimensions

Following are the photos of sub systems, such as Unit photo, sample/material photo, heating arrangement, actual data loop.



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Screen Shots of Computer Software

Following are the screen shots of computer software

