

**Department of Physics, University of Kerala,  
Thiruvananthapuram, Kerala, India – 695581, Ph: 91 471 2308920**

Dated 05/05/2022

**Quotation Notice**

Department of Physics, University of Kerala invites quotations for purchasing a digital thermometer and its accessories along with suitable software having the following specifications for the accurate, precise, and fast sensing of temperature variations.

**Required Specifications**

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Input	: Dual input model and should be able to select single or dual input by the user.
Thermocouple	: K-type thermocouple with measurement range -100 °C to 1000 °C (-148 F to 1832 F) or better. The accuracy in measurement should be $\pm 1\%$ of the reading or better in the entire measurement range.
Resolution	: 0.1 °C or better for the whole range of the measurement temperature.
Response time	: Not exceed one second.
Software	: PC software to record, store and analyze data. Also, specify the PC requirement to install the software.

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**Features**

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Unit selection	: Should have °C/F selection option.
Data hold	: Should have data hold option.
Auto power off	: Should have an auto power off option.
Low battery indication	: Should have a low battery indication.
MAX/MIN/AVG mode	: Maximum, minimum and average option should be there.

Data storage : Should be able to keep at least 100 measurement data.  
USB interface : Should provide USB interface.  
Alarm : Should have an alarm when the temperature exceeds the upper and lower limit.  
Display : LCD

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### General Characteristics

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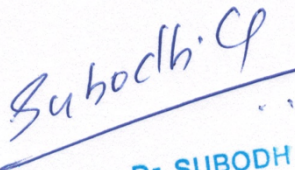
Power : USB or Battery  
Standard accessories : Battery, USB interface cable, PC software, K-type temperature probe

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Quotes should be inclusive of the cost, freight, taxes, etc. The terms and conditions of the warranty should be clearly mentioned. The items should be delivered to the Department of the Physics University of Kerala.

Please quote the lowest price for the above item.

The quotations should reach **“Dr. Subodh G, PI KSCSTE Project, Department of Physics, University of Kerala, Karyavattom, Thiruvananthapuram, Pin- 695581, Kerala” on or before 12/05/2022**

  
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