

Sr. No.	Description	Qty. Required
01	<p><b>Temperature Dependent Dielectric Measurement System with the following specification;</b></p> <ol style="list-style-type: none"> <li><b>1. Frequency Range:</b> 1 Hz to 3 GHz.</li> <li><b>2. Capable of Measuring:</b> <ol style="list-style-type: none"> <li>a) Real and imaginary part of dielectric along with tan &amp; (Dielectric loss) with sensitivity up to 0.00001 (or <math>10^{-6}</math>).</li> <li>b) Permeability (real and imaginary part) along with tan &amp; (Magnetic loss) with sensitivity up to 0.00001 (or <math>10^{-6}</math>).</li> <li>c) Real and imaginary part of Impedence, Modulus, Admittance, Conductivity, Phase angle, Capacitance, Inductance and other related parameters.</li> <li>d) Scattering parameters (<math>S_{11}</math>, <math>S_{21}</math>, <math>S_{12}</math> and <math>S_{22}</math>).</li> </ol> </li> <li><b>3. Resistance Range:</b> 0.01 Ohms to <math>10^{14}</math> Ohms.</li> <li><b>4. Capacitance Range:</b> 1 F to <math>10^{-15}</math> F.</li> <li><b>5.</b> Fitting Software for 2D and 3D Plotting.</li> <li><b>6.</b> Provision of <b>thin films sample holder</b> with pressure contacts.</li> <li><b>7. Temperature Range:</b> -196°C to 500°C.</li> <li><b>8. Computer Interfacing:</b> Desktop computer (with windows 10) along with GPIB interface, <u><b>data acquisition software</b></u> as well as <u><b>data analysis software</b></u>.</li> <li><b>9. Power Requirements:</b> 200-220 VAC, 50/60 Hz.</li> <li><b>10. Other Requirements:</b> <ul style="list-style-type: none"> <li>• Calibration Standards.</li> <li>• Power &amp; Connecting Cables.</li> <li>• Operational / Service Manual.</li> <li>• Calibration/OEM/after Sale support certificates &amp; all other accessories.</li> </ul> </li> <li><b>11. Country of Origin:</b> USA, UK, Europe, Japan or equivalent. (Preference will be given to OEM)</li> <li><b>12.</b> Technical and operation training of 02 representatives.</li> <li><b>13. Installation:</b> Installation, commissioning, and calibration of unit will be carried out by the supplier.</li> <li><b>14. Extended warranty:</b> 05 years.</li> <li><b>15. After sale service:</b> 10 Years.</li> </ol>	01