

## المواصفات والشروط الفنية المطلوبة لاجهزة معمل اختبارات الزيوت المستخدمة في العوازل الكهربائية

الأجهزة المطلوبة لمعمل اختبارات الزيوت المستخدمة في العوازل الكهربائية - كلية هندسة الطاقة - جامعة أسوان :  
يجب ان يشمل عرض الاسعار على التالي :

- 1- مدة التوريد **لاتزيد عن ثلاثة شهور ونصف** وذلك لعدم توفر بعض الاجهزة محليا والاجراءات الجديدة من قبل البنك المركزي للاستيراد.
- 2- الجهاز يكون حاصل على شهادة معايرة للجهاز من جهه معتمدة - شهاده معايره ساريه.
- 3- يشمل تدريب على استخدام الجهاز ووجود شهادة تدريب للمتدربين.
- 4- الجهاز شامل كل مكونات التشغيل والتجريب.
- 5- الجهاز شامل الضمان لايقبل عن سنة - توافر قطع الغيار مجانا طوال فترة الضمان .
- 5- الجهاز شامل الصيانة لمدة من 3 سنوات الى 5 سنوات في فترة مابعد الضمان شاملة قطع الغيار في حالة الاعطال.
- 6- يجب توفير كتالوجات الاجهزة الكاملة بالاضافة الى كتالوج التشغيل .

المواصفات الفنية	العدد	اسم الجهاز	م
<p><b>Laboratory Vacuum-Drying Oven with vacuum pump</b></p> <p>Vacuum ovens are very versatile pieces of equipment with applications in laboratory research engineering. A vacuum drying oven is most often used for delicate drying processes, such as drying tiny parts or removing flammable solvents. In other words, vacuum ovens are suitable for Drying, Baking, Conditioning, Curing, Out-Gassing Solids and Liquids, Vacuum Embedding, Moisture Testing, Plating and Aging Test. The low pressure environment also minimizes oxidation during drying.</p> <p>Therefore, they are perfect equipment for testing and treating materials that require effective drying and are sensitive to heat without damaging the material being dried. Reliable, fast, comfortable and energy efficient. The oven is precisely regulated by a digital microprocessor and controlled by a touchscreen, samples dry quickly.</p> <p>Vacuum is generated by vacuum pump. So, the vacuum pump and the oven form a perfect unit for all types of applications. The laboratory drying oven is designed especially for drying of material which is thermo-sensitive or decomposes and oxidative easily. It can be filled with inert gases, which is especially for a rapid drying of some compound material. The oven offers all digital forced air and laboratory drying oven, built with polished stainless-steel interior, removable racks, overheat protection, inert gas inlet, temp calibration, timing, and password functions.</p> <p>Features of laboratory drying oven:</p> <p>Back-Light LCD, Very Easy and Convenient for Vacuuming and Venting, Easy to read Vacuum Gauge, Highly Safety Viewing Window, Heavy-duty Safety Front Door for User Safety, Alarm &amp; Timer, High Quality Door Sealing.</p>	1	<b>Vacuum-drying oven</b>	1

<p>Specification:</p> <ul style="list-style-type: none"> <li>• Temperature Range: RT+10~200 upto 300 °C</li> <li>• Volume range: 25 upto 90 L</li> <li>• Maximum Vacuum Range: 1 – 750 mmHg</li> <li>• Temp stability range(°C): ±0.5 -to- ±2</li> <li>• Display Resolution: 0.1°C</li> <li>• Number of doors: 1</li> <li>• Minimum Shelves range: 2 upto 4</li> <li>• Power Supply: AC 220/240V, 50/60Hz, single phase.</li> <li>• RS232C Interface</li> <li>• Over temperature and over current protection.</li> </ul>			
<p><b>Digital thermal camera</b></p> <p>Thermal camera is an absolute innovation in the sector of thermal cameras. thermal camera is provided with IR sensor with high resolution, which makes it the ideal device for maintenance operations and everyday analyses.</p> <p>This thermal camera is the ideal solution for detecting electric problems, checking mechanical parts, analyzing hydraulic systems, forced ventilation, etc. This thermal camera is also provided with SPAN function (creation of a temperature range of interest) and with the automatic setting of emissivity with a preset table of materials.</p> <p>The peculiarity of this device is its LCD colour display, with high brightness and its drop-down menu. Very easy to use which allow a simple programming by means of a keypad. This device has a wide temperature range (up to 1000°C). Saves thermal images in standard JPG format and visual images (PiP functions) inside a micro-SD card. Transfer the data onto the PC through its USB interface. Recording of IR videos is also available.</p> <p>Specification:</p> <ul style="list-style-type: none"> <li>• IR resolution range: upto 320x240 pixels</li> <li>• Temperature measurement range: -10 - upto 550°C</li> <li>• Thermal sensitivity range: 50 -to- 150 mK</li> <li>• Frame rate range: 9 -upto 25Hz</li> <li>• Measurement accuracy: ±2°C or ±2% whichever is greater</li> <li>• Focal length: Adjustable</li> <li>• Display: Up to 2.8" LCD screen</li> <li>• Extensive memory options: Removable 2 upto 8 GB micro SD memory card, 2 upto 8 GB internal flash memory, save to USB flash drive capability</li> </ul>	1	<b>Thermal camera</b>	2

