alfanar Calibration Laboratory, a SAC accredited and ISO 17025 certified establishment, is a well-equipped, electrical, mechanical and electronic equipment calibration, repair and maintenance center guaranteeing accurate test results of the equipment calibrated. The lab’s calibration services conform to the highest regulatory and audit requirements of varied industries, like Power, Heavy Industries, Manufacturing Industries, Petrochemicals, etc...

Today we operate out of a modern and well-equipped facility in Riyadh that features environment controlled Labs. Between our full service calibration laboratories in collaboration with leading test instrument manufacturers and onsite work at client facilities, we complete 1,000+ electrical, mechanical and dimensional calibrations a year. Delivering unparalleled capabilities and unmatched quality, the lab is fully capable of carrying out component level repairs on electrical instrument and meters.

Our commitment to quality makes a difference you can measure.

Accreditation and Quality

Our unrivaled quality system and experienced personals enables alfannar calibration labs to cope with world class calibration standards. Our Laboratory’s ultramodern facility is accredited by the Saudi Arabian Standards Organization (SASO). Our services are in full compliance with the relevant ISO and IEC standards.
Laboratory Calibration Services

When looking for calibration laboratory services, you want one state-of-the-art laboratory that can help you meet all your business requirements. That’s just what alfanar Calibration Laboratory delivers.

Our electrical, mechanical and dimensional laboratories are environmentally controlled, ensuring the correct atmosphere for the precise measurements your instruments require.

Electrical & Electronics Lab
- Latest technology Multi product calibrators those are capable of calibrating wide variety of instruments in-house and on-site
- Signal and function Generators
- Frequency counters and timers/Stopwatches
- Megger Testers, Multimeters, AC/DC Voltmeters, Ammeters, Capacitance Meters & Clamp-on Meters
- Resistors & Bridges
- ISO 17025 Accredited for electrical parameters (SAC) from K.S.A Accreditation department.
- 25 PPM accuracy capability for DC voltage measurements
- 8.5 Digit Multimeter for high accuracy electrical measurements and calibration as per 17025 Process

High Voltage
- Capability to calibrate HV test equipment up to 150 KV with best accuracy.
- Testing and certification of high current/high voltage testing & measuring equipment as per manufacturer/international standards
- Calibration grade gauge blocks for calibration of all kinds of dimensional instruments
- Capability to calibrate wide variety of dimensional instruments like vernier calipers, Micrometer, Dial gauges, Height Gauges, ring gauges, Pin gauges
- We do calibrate all types of weighing Machine.

Dimensional Lab & Mass balances
- Calibration grade guage blocks for calibration of all kinds of dimensional instruments
- Capability to calibrate wide variety of dimensional instruments like vernier calipers, Micrometer, Dial gauges, Height Gauges, ring gauges, Pin gauges
- We do calibrate all types of weighing Machine.

Pressure Lab
- Best uncertainty offered in pressure indicator calibration in K.S.A
- Capability to calibrate up to 700 bar. Accredited calibration up to 700 bar as per 17025 process
- On site and in-house calibration capabilities

Temperature Lab
- Temperature measurement accuracy of 0.5 C
- ISO 17025 accredited calibration for temperature parameters up to 650 C
- Capability to calibrate all kind of temperature related instruments
- Electrical calibration of temperature indicators
- Calibrating Temperature of ovens and furnace & Temp Transmitters
Onsite **Calibration & Loop Checking** and **Instrumentation** Services

**afnan calibration** has the facility to service and calibrate a range of instruments at your own premises resulting in reduced turnaround time and improved efficiency. Our field service engineers to visit your facility and promptly restore your test equipment to its like-new performance.

- Mobility to provide timely service at your facility
- On site calibration and certification of process control instruments
- On site calibration, repair and related services during Plant shutdown and maintenance

**System Loop Checks:**

All Calibration and Preventive Maintenance Services include complete control loop testing. The entire control and/or monitoring system of a process, from the input/process sensing device to the control and monitoring units to the final output device, is checked for proper operation & calibration

**Instrument Service Contracts**

Instrument service contracts, such as our Preventive Maintenance Service, offer our Customer’s a no-hassle way to maintain instrumentation systems throughout their plant. We quote a fixed yearly price to perform the PM Service and we keep track of service intervals. When the service is to be done, we contact the Customer and schedule a PM call that is convenient for them and their production schedule. Each Service Contract is custom tailored to Our Customer’s Instrumentation Service needs.

Our commitment to quality makes a difference you can measure
Asset Management & Recalibration Reminder Service

Through the use of advanced asset management software MET/CAL plus we are able to offer a service which keeps track of calibration dates for equipment and for sending out the reminder reports. This is part of our commitment to calibrating equipment on time, to ensure peace of mind but most importantly to enable clients to make the right decision at the right time.

Maintenance & Repair Services

alfanar calibration laboratory offers a complete range of maintenance and repair services for all types of equipment used in relay test, transformer test etc, as well as general instrumentation.

Through routine maintenance or emergency repairs, our fully trained technicians are capable of keeping your facility running schedule. Our affiliation and technical collaboration with leading test instruments manufacturers enables us to efficient repair faulty test equipment in the shortest possible time. We ensure that only the best quality services are extended to our customers A partial list of calibration services provided by alfanar Calibration Lab, are as follows:

- Signal and function generators
- Frequency counters and timers/Stop watches
- Hi-Pot testers
- Megger testers, Multimeters,AC/DC voltmeters, Ammeters, capacitance meters& Clamp - on meters
- Power supplies
- Resistance & bridges
- Transmitters and transducers
- Pressure and thermal instruments calibration services
- Laboratory measuring instruments calibration services
**Industries Serviced**

- SEC Power Plants
- Construction industry
- Moulds factory
- Transformer factory
- Low Voltage, Medium Voltage switchgear, Cable factories
- Plastic and Paper Industry
- Steel Factory
- Ceramic Industry
- Precast and cement Industries

**Most Common Parameters Covered by our LAB**

Pressure, Vacuum, Voltage/Current, resistance, frequency, capacitance, Linear/Dimensional, Temperature, Relative Humidity, pH/Conductivity, Speed/Time, Dead Weight Testers, Masses and Weighing balances

**Instruments & Systems (Indicative list)**

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**Pressure**

- Calibrators
- I/P, P/I Converters
- Transducers
- Indicators
- Recorders

**Temperature**

- Ranges: up to 400°C
- RTD
- Temp. Calibrator: Dry block

**Operational Excellence**

For accurate and reliable results, we have invested significantly in hi-tech and modern equipment that conform to international standards and are approved and supported by leading manufacturers like Megger, Omicron, Programma, etc. The Lab’s calibration services conform to the regulatory and audit requirements of the power and other industries which adjoins.

- Quality
- Total customer satisfaction
- Ethical business practices
- High client responsiveness
- Efficient delivery system
- Economical price range
- Adhering to international Standards & SAC approved