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Sarl EGPS

Electricity, Gas, and
Petroleum Services

Metrology Laboratory Specialized
in calibration, verification, and
testing.

**"Measure with confidence,
calibrate with precision."**



■ About Company

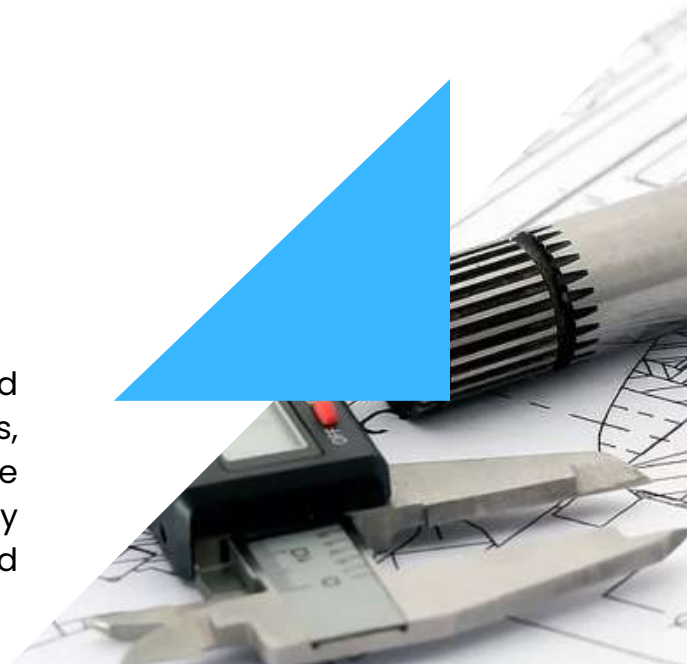


EGPS is a calibration laboratory established in 2013, accredited by the Algerian accreditation body ALGERAC, to meet market needs in the field of metrology. We specialize in calibration and testing, with additional services such as industrial training and equipment maintenance to support our clients.

Our laboratory employs over 27 qualified and professional engineers and technicians, supported by a strong management approach focused on quality, flexibility, punctuality, and compliance to standards in carrying out our activities.

■ Our Mission

Our main mission is the calibration and verification of measuring instruments, along with testing services. We specialize in the calibration of safety valves (PSV, PRV, and vacuum), and offer online safety valves calibration.



■ Accreditations by ALGERAC

EGPS has obtained ISO/IEC 17025:2017 accreditation from ALGERAC. This standard is the most widely recognized worldwide for calibration and testing laboratories. The accreditation granted under this international standard attests to the laboratory's technical competence and its ability to deliver accurate test results.



■ In lab and on-site Services

- Pressure
- Temperature
- Torque
- Dimensional
- Light
- Electricity
- Frequency
- Ultrasound
- Noise and Vibration

■ Temperature

Devices to Calibrate:

Accredited:

- Temperature chain (Thermometer A/D + probe + thermocouple + RTD).
- Temperature calibrator.

Non-Accredited:

- Expansion thermometer.
- Infrared thermometer.
- Temperature transmitter.
- Thermal camera.
- Characterization of temperature generators.

Service Range :

-
- Accredited -30°C à 1200°C
-



■ Pressure

Devices to Calibrate:

Accredited:

- Manometer (A/D)
- Pressure indicator
- Pressure calibrator

Non-Accredited:

- Pressure recorder (A/D)
- Pressure transmitter

Service Range :

-
- Accredited 0 bar à 1000 bar
-

- Non Accredited -1 bar à 0 bar
-



Torque

Devices to Calibrate:

Accredited:

- All classes and types of torque wrenches

Non-Accredited:

- Torque meters
- Torque multipliers

Service Range :

-
- Accredited 2 N.m à 3000N.m
-



Dimensional

Devices to Calibrate:

Accredited:

- Calipers 0 à 500 mm
(Digital, Vernier, Dial)
- Outside micrometers 0 à 200 mm
(Digital, Vernier, Dial)
- Depth gauges 0 à 500mm
(Digital, Vernier, Dial)

Non-Accredited:

- Coating thickness gauge
- Weld gauge
- Angle protractor
- Ruler
- Level, etc..

Service Range :

-
- Accredited 0 mm à 500 mm
-

- Non-Accredited 500 mm à 2500 mm
-

Electricity LV

Devices to Calibrate

Accredited

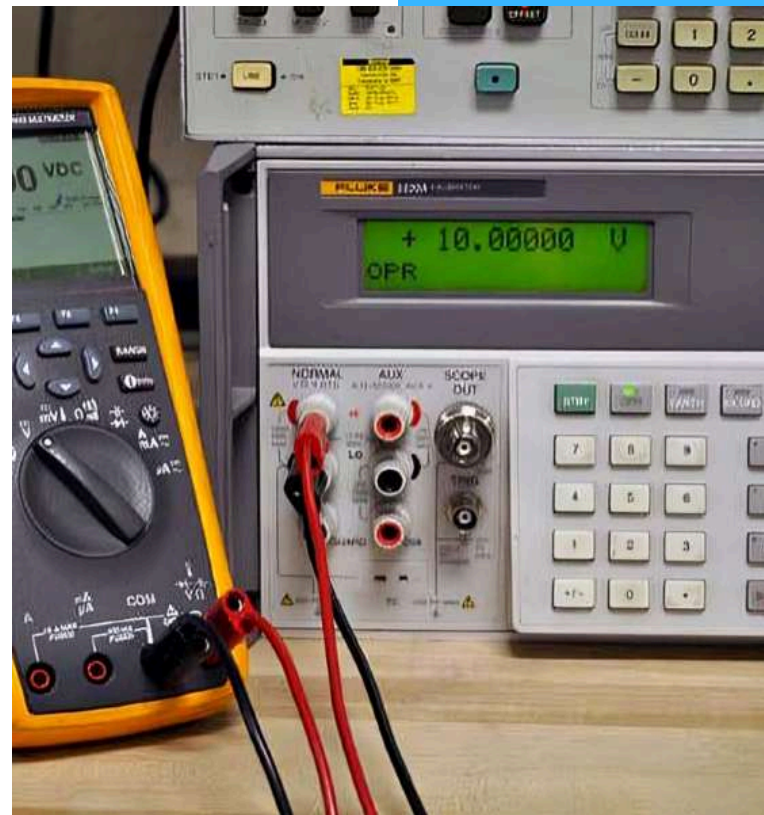
- Voltmeters
- Ammeters
- Ohmmeters
- Portable multimeters
- Clamp ammeters
- Decade resistors
- Multifunction calibrators
- Voltage/current generators

Non - Accredited

- Megohmmeters

Service range :

- | | |
|--------------|----------------------------|
| • Accredited | 10mV à 1000V |
| | 50 μ A à 10A |
| | 1 Ω à 0.3G Ω |



Electricity HV

Devices to Calibrate

- Voltage divider (400 kV)
- Electric tester calibrator
- High voltage probe (40 kV)
- Hipot (High Potential Tester)
- Transformer

in the process of accreditation.

- | | |
|-------|--------------|
| • HTA | 5,5KV à 30KV |
| • HTB | 30K à 60KV |
| • THT | 60KV À 400KV |



Electrical safety

Devices to Calibrate

- Dielectric strength testers (HIPOT testers)
- Line/loop impedance testers
- Continuity testers
- Earth resistance testers
- Earth bond testers
- Leakage current testers
- Circuit breaker testers (RCD/GFCI)
- Multifunction installation testers
- Portable appliance testers (PAT)
- erre
- Testeurs de courant de fuite
- Testeurs de disjoncteur (RCD/GFCI)
- Testeurs d'installation multifonction, etc.

In the process of accreditation.

- | | |
|--------------------------------------|----------------------|
| • Low Resistance | 10 mΩ à 10 kΩ |
| • High Resistance + x1000 multiplier | 350.0 MΩ à 10.000 TΩ |



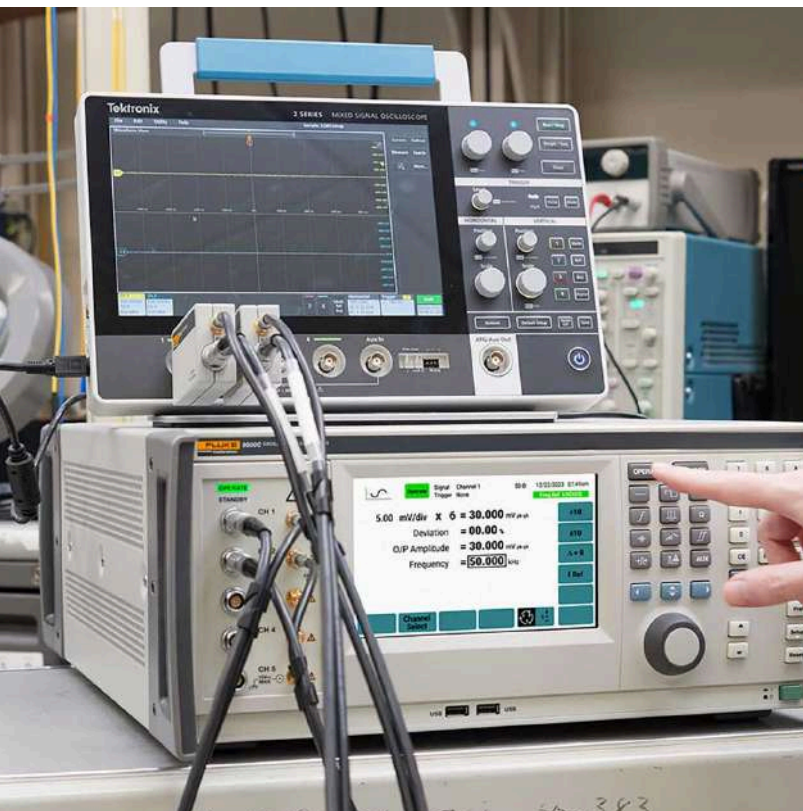
Frequency

Devices to Calibrate

- Oscilloscope
- Pulse generator
- Frequency generator
- Vibration calibrator
- Motion detector
- Ultrasound devices, etc.

In the process of accreditation.

- | | |
|-------------|------------------|
| • Frequency | 70 MHz à 200 MHz |
|-------------|------------------|



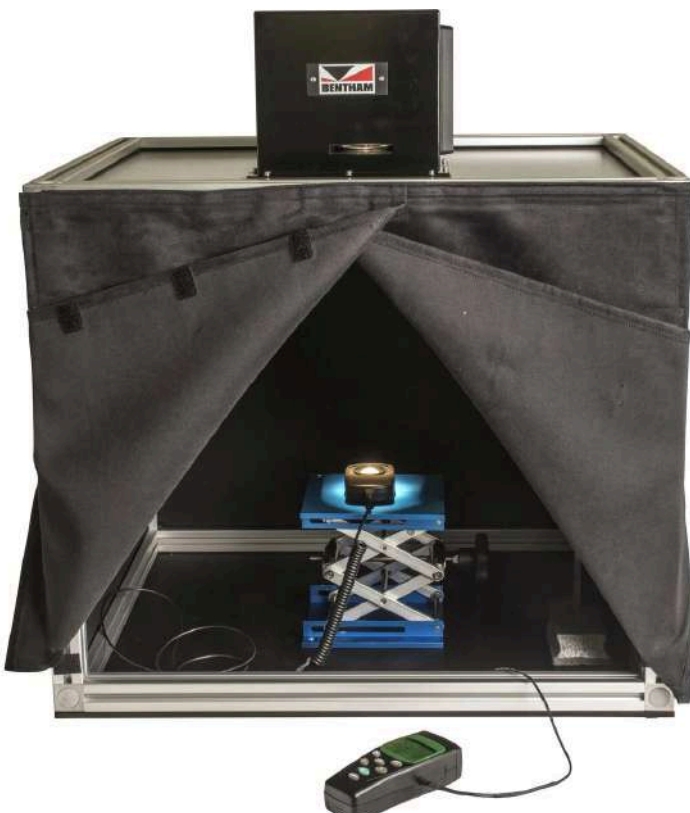
■ Rotational speed

Devices to Calibrate

- Tachometer.

In the process of accreditation.

- | | |
|--------------------|----------------------|
| • Rotational Speed | Starting from 60 RPM |
|--------------------|----------------------|
-



■ Light

Devices to Calibrate

- Luxmeter
- Luminance meter

In the process of accreditation

- | | |
|---------------|------------------------------|
| • Illuminance | 0 à 20 000 lux |
| • Luminance | 0 à 20 000 cd/m ² |
-

■ Sound

Devices to Calibrate

- Sound level meter
- Measurement microphones

In the process of accreditation

- Sound min 94 dB / max 114 dB
 min 990 Hz / max 1010Hz
-



■ Vibration

Devices to Calibrate

- All vibrating probes
- Vibration transducers for acceleration, velocity, and displacement
- Accelerometer

In the process of accreditation

- Vibration 15,92 Hz to 1280 Hz
 1 à 20 m/s²
-



■ safety valves calibration

Types of valves to calibrate:

- Spring valve
- Pilot-operated valve
- Counterweight valve
- Vacuum valve

Our technical capabilities:

Calibration of safety valves up to 16".

-
- Accredited
 - 0 bar TO 1000 bars : AIR
 - 0 bar TO 1000 bars : Liquid
-



■ Our test benches

Test bench 1 :

- Gas test system: 0-1000 Bar
- Liquid test system: 0-1000 Bar
- From 1/2" to 16"

Test bench 2 :

- Gas test system: 0-250 Bar
- Liquid test system: 0-400 Bar
- From 1/2" to 10"

Test bench 3 : Calibration of vacuum safety valves

- Calibration of vacuum safety valves
- From 2" to 24" / DN 50 to 600 mm
- Pressure range: from -800 mmWC (20 InchWC) to +9 bar / 100 PSI

Preventest (Online valve calibration)::

A portable system designed to test the proper functioning of safety valves in their real operating environment, with the ability to adjust calibration without removing the valves or requiring a plant shutdown.

■ Our training courses

To share its expertise, EGPS offers 8 training courses:

- Calibration of safety valves (PSV, PRV, Vacuum, Online) according to API standards
- Pressure, Temperature, Electricity
- Torque, Dimensional Metrology
- General Metrology
- Uncertainty Calculation

These courses are designed for technical staff (technicians and engineers).

At the end of each course, a certificate will be issued.

For more information and to register, we invite you to contact us.



■ Maintenance



EGPS provides adjustment, repair, and, when possible, maintenance services for your measuring instruments:

Calibration:

Pressure : Analog pressure gauges, pressure recorders, etc.

Temperature : Temperature recorders, etc..

Torque: Torque wrenches, etc.

Testing:

Repair of PSV, PRV, safety valves, and vacuum valves.

Laboratory Address

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Let's Get In Touch

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