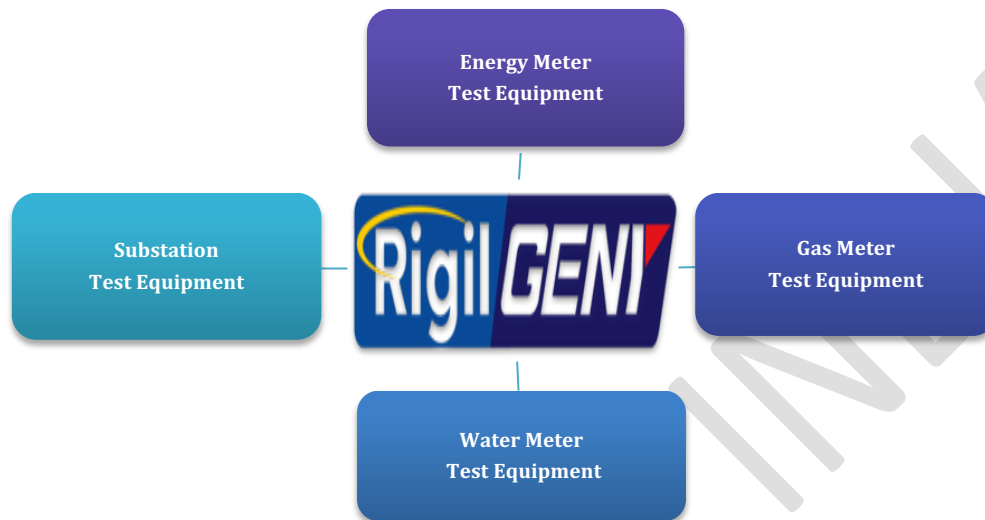


Rigil Geny India Private Limited based in New Delhi Ncr India, is a manufacturer for high class energy meter testing equipment & is focused to provide world class product and services to customers of India and SAARC countries.

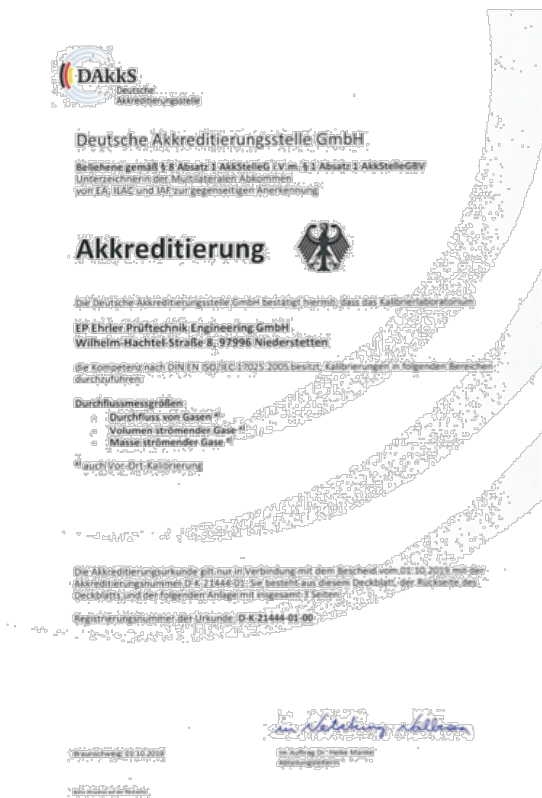


In order to offer world class Gas Meter testing products, we have joined hands with “ **EP Ehrler Pruftechnik Engineering GmbH**” Germany, who are a globally renowned name in Gas & flow meter testing industry. With over 30 years of experience, EP-E have an inhouse DIN ISO 17025 Laboratory & are processing partners of **Physikalisch-Technische Bundesanstalt in Braunschweig (PTB Germany)**.

EP-E & Rigil Geny are committed to provide Indian Gas distribution companies a quality focused & comprehensive solution for Gas meter testing & that way contributing towards the growth of a world class piped gas distribution network .

### Our product range includes:-

- Flow measurement systems
- Gas measurement technology
- Leakage & burst test benches
- Reference Gas Meters
- Portable Gas Meter Calibrators



## Why EPE?

- When you choose EP Engineering, you choose quality, reliability and precision.
- We think in terms of solutions and are always looking for the best possible implementation of your requirements – efficient, forward-looking, reliable.
- One project, one contact person: Right from the start there is a contact person who is responsible for the project.
- We implement your project from the first request to commissioning. Every solution, every product is completely designed and manufactured by us. You get a result from one pour.
- State-of-the-art technology, comprehensive know how: We are specialists for high-precision measurement technology.

**EP-E's products are being using by many global customers & some of the prestigious names are:**

	Physikalisch Technische Bundesanstalt		PetroChina
	E.ON		Ceský metrologický institut
	Pigsar		National Institute of Metrology Thailand NIMT
	NISM – National Institute Of Standardization And Metrology, Chisinau, Republic of Moldova		Federal agency on technical Regulating and Metrology Russland VNIIR
	Shanghai Institute of Metrology and Technology (SIMT)		NIGC
	Sinopec		Dräger
	Sensirion		National Institute of Metrology, China
	Robert Bosch		Instituto Nacional de Metrología, Bogotá, Kolumbien
	KTM Russland		

## **Brief Description of our Products & Services,**

### **Stationary Systems**

The Stationary test benches are especially designed for the calibration of domestic gas meters (diaphragm gas meters, ultrasonic gas meters, thermoelectric gas meters). The test bench has a modular design - it is possible to combine 1x6 to 4x6 clamping points for gas meters. The modular design allows 1to12 gas meters to be tested simultaneously. In parallel, up to twelve test specimens can be adapted, run in and leak tested. The leak tests are carried out automatically.

The gas meters are tested at three or more measuring points. A magazine made of three sonic nozzles is used as a flow sensor. The nozzle magazine can be exchanged with just a few hand movements so that up to five different gas meter types can be calibrated on one test bench. Optionally, a nozzle drum with nine combinable nozzles can be used. This allows the generation of up to 512 different flow points. This means that all five gas meter types G1.6.....G10 can be tested without nozzle change.

**GMC – Gas Meter Comparator: Test bench**

Adjustment test bench for domestic gas meters (G1.6 to G10) with sonic nozzles

**Test bench**

incl. flow sensors (sonic nozzles) & data acquisition hardware and software

**Clamping stands**

for mounting DUT

**Vacuum pump**

Connected to the test bench with a flexible hose; can be placed e.g. in a separate room

**Benefits:**

- High long-term stability through the use of sonic nozzles
- Highest accuracy by the use of sonic nozzles.
- Optimum capacity utilization - short process times
- Integrated plausibility check of the meter signal
- Automated counter monitoring
- Fast and stable adjusting of the volume flow
- Modular system for 1 to 24 units
- Long-term stable measuring elements - low recalibration effort
- Storage of test results on SQL-Server

**Portable Systems/Benchtop**

The rotary positive displacement (RPD) Portable reference gas meters GM16 meet the highest demands on reliable and accurate reference gas flow measurement down to 0.01 m<sup>3</sup>/h. Working according to the positive displacement principle, two counter-rotating impellers are displacing a fixed volume from the inlet to the outlet of the meter with each full revolution. Due to their special, patent-pending impeller design pulsation free operation is realized. They reach an excellent

measurement accuracy of 0.5 % MV + 0.005 % EV. Both versions with 1 or 2 HF pulser are suited for operating pressures up to 6 bar gauge pressure.

The new generation of reference gas meters is not only suitable for air, but also for hydrogen, natural gas and other non-flammable and non-aggressive gases. As the flow measurement is continuous, absolutely pulsation free and highly accurate, this RPD reference meters are the gold standard for low flow reference measurement.



① Mobile measuring box with integrated gas meter for use on site



### **Features & Benefits**

- Reference measurement for low flow rates down to 0.01 m<sup>3</sup>/h - capable with H<sub>2</sub>
- Continuous and absolutely pulsation free due to special impeller design
- Gauge pressure operation up to 6 bar gauge pressure
- Excellent measurement accuracy 0.5 % MV + 0.005 % EV
- Robust and compact design ideally suited for mobile systems
- Mobile measuring box for data acquisition measurement data display via Android app
- Calibration of household gas meters G1.6-G10

### **Consulting Services**

EP-E & Rigil Geny India offers a wide range of services to its customers which include engineering customised solutions as per the specific requirements, setting up of Laboratory for Calibrations with help of our team of experienced personnel having specific expertise in respective domains.

For any queries or feedback please email us at [info@rigilgeny.com](mailto:info@rigilgeny.com) or call us at +91-9999270670