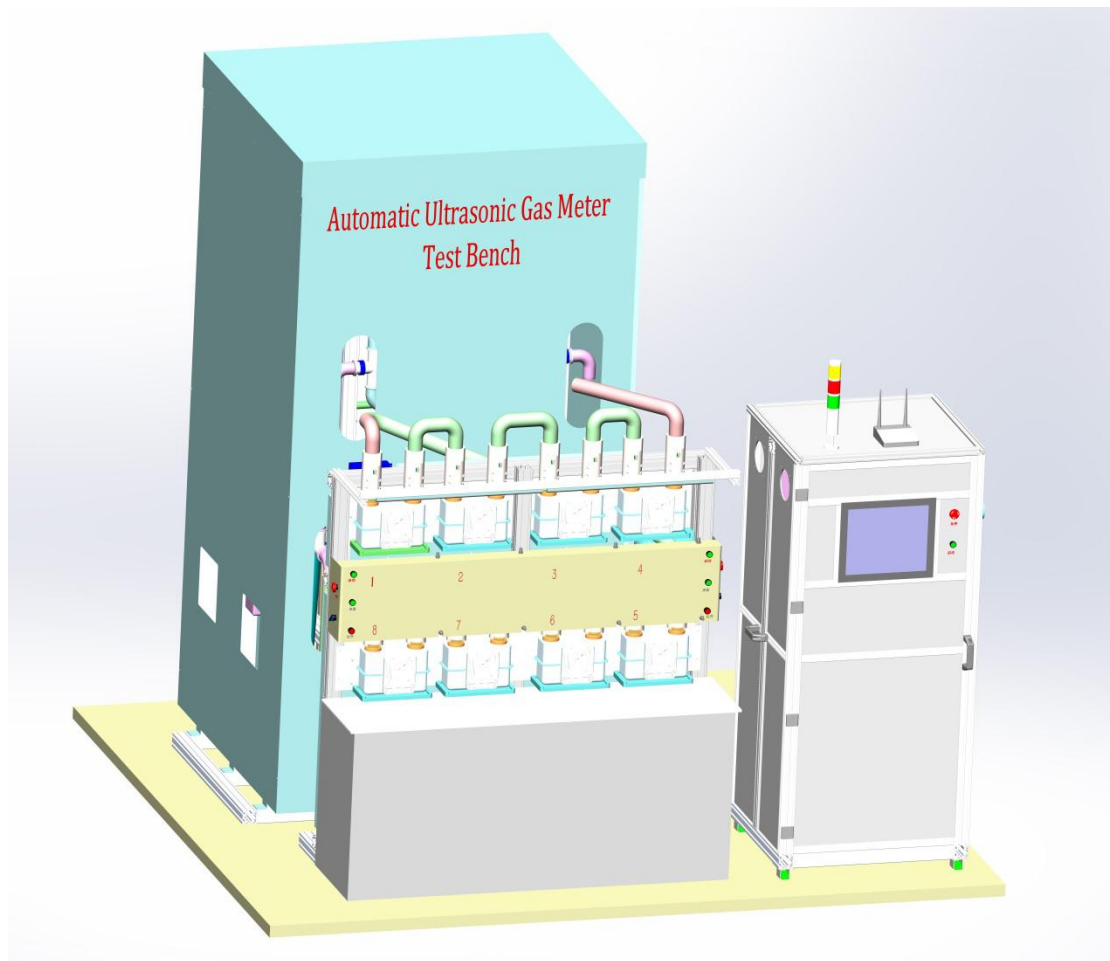


Automatic Ultrasonic Gas Meter Test Bench



Features

- Support for R&D and mass production of G1.6, G2.5, G4 (residential) and G6, G10, G16, G25 (commercial).
- High precision grinding hydraulic cylinder, good linear segmented volume.
- Three kinds of automatic continuously testing operation modes all including:
 - Automatic switching flow and temperature point;
 - Automatic data acquisition of flow, temperature and ultrasonic time difference;
 - Automatic generation and release of calibration coefficients;
 - Automatic generation of verification error data.
- Temperature control, heating and cooling
- Closed-loop, recycling, better gas feedback energy and gas saving.
- Support to access internet, for remote upgrade and information system assessment.
- Support for pipe pressure loss test.
- Maintenance free.

Parameters

- Number of test meters: 8 with G1.6, G2.5 and G4, 8 with G6, G10, G16 and G25

- Flow range: 0.008 m³/h ~ 48 m³/h
- Uncertainty: 0.2% (K=2)
- Temperature range: -20 °C ~ +65 °C
- Characterization speed: 24 hours @ 10 temp and 20 flow points
- MP calibration speed: 700 meters within 8 hours @ G25
- Metrological verification speed: 10 mins @ 4 flow points
- Meter reading interfaces: Infrared, RS485 and M-Bus
- Working pressure: up to 30kPa
- Working power: 10kW max @ characterization mode, 5 kW @ MP mode
- Dimension: 3,000*2,000*2,900 (mm) - 4,000*3,000*3,000 (mm)
- Weight: 1.5 T max