

EKM METERING INC.

1.5" Gas Meter (EKM-GM-150) Spec Sheet



I. Functions and Characteristics

- 1.) 1.5" gas flow meter for measuring gas usage in cubic feet.
- 2.) No power source required.
- 3.) No pulse output for remote reading.

II. Technical Specifications

- 1.) Dimensions: 12.2" Tall x 8.5" Wide x 11.2" Deep, or: H310xW216.8xD284mm
- 2.) No power source required
- 3.) Casing: Steel
- 4.) Connection Thread: NPT 1.5 Inch
- 5.) Inlet and outlet separation (to center): 180 mm
- 6.) Direction of inlet: Left in, right out
- 7.) Nominal flow-rate (Q_n): 352.5 ft³/h
- 8.) Minimum flow-rate (Q_{min}): 35.25 ft³/hr
- 9.) Maximum flow-rate (Q_{max}): 565 ft³/hr
 - Natural Gas: 581,950 BTU/hr
 - Propane: 1,405,720 BTU/hr at 60°F (temperature dependent)
- 10.) Minimum Operating Pressure: 0.0435 psi
- 11.) Maximum Operating Pressure: 4.35 psi
- 12.) Total pressure absorption: ≤ 200 Pa
- 13.) Cyclic: 0.07 ft³/rev
- 14.) Permissible Error:
 - $Q_{min} \leq Q < 0.1 Q_{max} \pm 3\%$
 - $0.1 Q_{max} \leq Q \leq Q_{max} \pm 1.5\%$
- 15.) Min. Recording Reading: 0.07 ft³
- 16.) Max. Recording Reading: 9999999.9 ft³
- 17.) Readout is in cubic feet, with resolution to tenths
- 18.) Operating ambient temperature: -4~122 °F
- 19.) Service life: ≥ 10 years
- 20.) Can measure: Artificial coal gas, natural gas, liquefied petroleum gas, air, propane, inert gases or any other non-corrosive gas
- 21.) Weight: 9 lbs., 8 oz. Or: 4.3kg
- 22.) Meter design according Standards: OIML R31 or EN1359
- 23.) Index cover: Printed index cover of polycarbonate
- 24.) Surface Paint: polyester powder coat

III. Operation

This meter operates as a traditional gas meter; gas consumption is read off of the face of the meter.

IV. Installation

- 1.) We recommend that this meter be installed by a qualified plumber.
- 2.) Should be mounted vertically with the inlet/outlet pointing up.
- 3.) Use teflon tape or pipe dope when connecting pipe fittings to the meter's NPT pipe threads.