

# /// Sokken

## Direct EGR Flowmeter

### MODEL **TEG series**



#### Overview

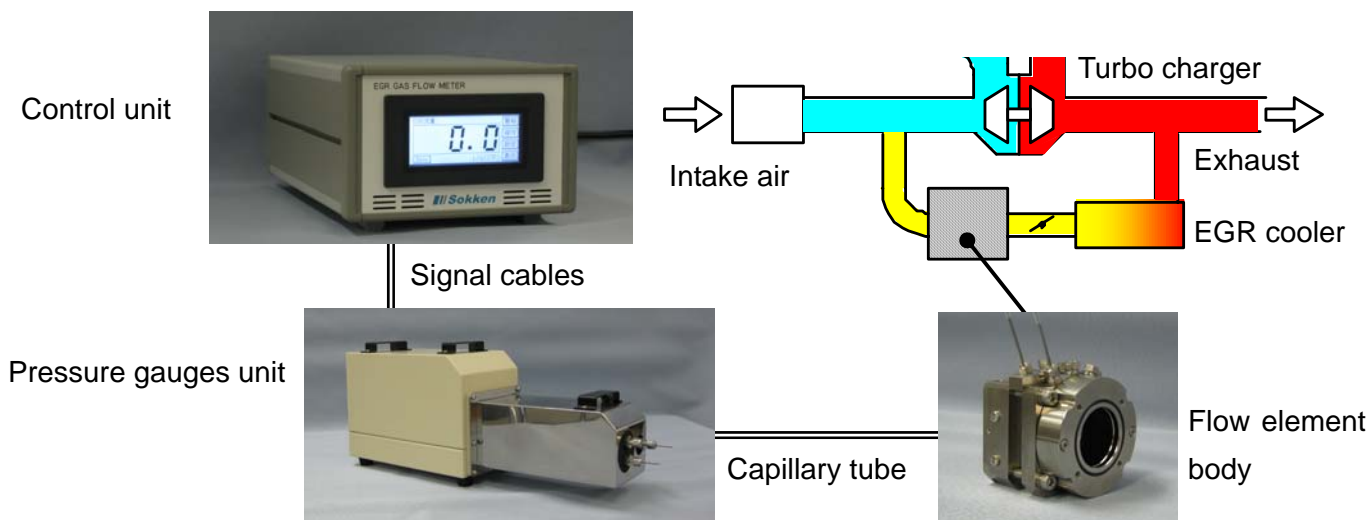
Sokken model TEG series is an EGR Flowmeter to measure the direct exhaust recirculation flow from an EGR valve to the intake manifold for diesel/GDI engines.

The flowmeter is consisted of a flowmeter, pressure transducer and control/display unit for calculating the flow rate at standard conditions.

#### Features

- Low pressure drop: <math><1.5\text{kPa}</math>
- High operating temperature: up to 200C
- Fast response: 40Hz

## Schematic diagram of EGR flow measurement



## Specifications

Principle	Differential pressure flow meter
Rated flow rate	20 slps (1atm, 20C)
Operating temperature	Room temperature to 200C
Line pressure	30 to 250kPa (abs)
Accuracy	+/-3% FS
Response	Approx. 40Hz
Pressure drop	Approx. 1.5kPa (at 20 slps, 200C)
Flow diameter	φ 32mm
Dimensions	64x64x60mm (Flow element body) 350x106x142mm (Pressure gauge unit) 430×350×157mm (Control unit)
Output	+/-10VDC analogue(BNC), Ethernet(RJ-45)
Power supply	AC100V, 5A
Pipe connections	Provides as your request

## Custom made variation

Large flow	Rated flow rate: 70 slps, ID: φ 55mm
Small flow diameter	Rated flow rate: 15 slps, ID: φ 20mm
High operating temperature	Maximum operating temperature: 400C

slps: standard liter per second(1atm, 20C)

Specifications are subject to change to improve performances.

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