# Soap-Film Flowmeter

YQ-5400

## Overview

The YQ-5400 is a general-purpose instrument for gas-flow testing and calibration. The brochure lists environmental monitoring, occupational health testing and laboratory applications, especially gas-flow calibration of online monitoring instruments.



## Technical specifications

| Parameter | Range / value | Resolution | Accuracy / error |
|---|---|---|---|
| 500ml | (20.0-500.0)ml/min | 0.1ml/min | ±1% F.S. |
| 3000mL | (100.00-3000.0)ml/min | 0.1ml/min | ±1% F.S. |
| Dimensions | (175*80*200)mm | | |
| Weight | 1kg | | |

## Technical features

- Large dot-matrix LCD and Chinese-language menus with on-screen operation prompts.
- Avoids manual film observation and timing used by traditional soap-film flowmeters.
- Direct flow reading with automatic conversion to standard-condition flow at 273K, 293K and 298K.
- Synchronous infrared detection is described as unaffected by ambient light.
- Built-in battery, AC/DC operation and automatic ambient-temperature measurement.

## Standards listed in the brochure

- JJG586-2006 - Verification regulation for soap-film flowmeters

## Standard accessories

- Main unit
- Aluminum case
- Charger

## Source and review notes

- For the 3000mL range, the brochure prints a lower limit of 100.00 ml/min but a resolution of 0.1 ml/min; both are retained as printed pending confirmation.
- Specifications and standards have not been independently verified.
- English translation has not received native-speaker technical review.