

SCD-90

Ultrasonic
Flowmeter



www.thomsongroup.com.au

In-situ

Technical Specification

Measured Component	Velocity, Flow Rate
Measurement Principle	Ultrasonic
Measuring Range	0 ~ 50 m/sec
Measurement Distance	1 ~ 50 m
Min. Measuring Unit	0.1 m/sec
Repeatability	< ±2 % FS
Linearity	< ±5 % FS
Response Time	< 5 seconds



System Component

Main Unit / Ultrasonic Transducers /
Purge Motor Unit / Cables / Master Flange

Feature

- 01 Measures gas flow and velocity using ultrasonic signals
- 02 Allows representative measurements of large diameter stacks using the cross-duct method

Certificate & Approval

Type Approval (Korea)

Other Specification

Measurement Condition	Operating Temp.	-20 ~ +60 °C
	Gas Temp.	< +150 °C

Communication	Analog Output	1 Channel, 4 ~ 20 mA
	Digital Output	3 Channel
	Display & Input Device	7 inch LCD Monitor (Touch Screen) / USB
	Interface	RS232, 485

Dimension & Power Supply	Material	SUS 304
	Dimension	W 350 x D 243 x H 480 mm
	Weight	25 kg
	Voltage	110 / 220 VAC, 50 / 60 Hz
	Power Consumption	200 W

Purge Motor Unit	Material	SUS 304
	Dimension	W 523 x D 370 x H 605 mm
	Weight	15 kg
	Voltage	3P 480 VAC or 1P 220 VAC
	Power Consumption	0.5 kW ~ 1.5 kW