



Standard Mass Flow Meter MODEL 3760 SERIES

The Model 3760 Series is a compact, low-cost mass flow meter developed based on the Model 3660 Series. It has been developed as a standard model of various analyzers and vacuum equipment for research and development at universities and research institutes.

Features

- Improved constant-current temperature difference detection type flow sensor for quick response
- The compact body permits installation at any location.
- Alarm output in combination with DPM-100 (Flow monitoring)
- Flow integration in combination with CR-500 (Consumption management)

Standard Specifications

Flow range (at N ₂ calibration condition)	10SCCM-20SLM/3760 30SLM-150SLM/3765
Response	2 sec. or less (typical)
Accuracy	Within ±1.5% F.S. (Within ±2% F.S.)(@20°C)
Proof pressure	980kPa
Leak rate	1×10 ⁻⁹ Pa·m ³ /s or less (excluding transmission of He)
Operating temperature	5°C–45°C (Accuracy guaranteed at: 15°C–35°C)
Materials of parts in contact with gases	Body: SUS316L Sealing material: Viton® (option), Neoprene®
Joint	Standard: 1/4 SWL® (3/8 SWL) Option: 1/8SLM®, 1/4VCR®, Rc1/4, others
Electric connection	Dsub 9-pin male connector per KFC standard
Flow output signal	0-5VDC
Required power	+15VDC±5% 100mA, -15VDC±5% 100mA
Weight	Approx. 650 g

* Values indicated in () are for the 3765.

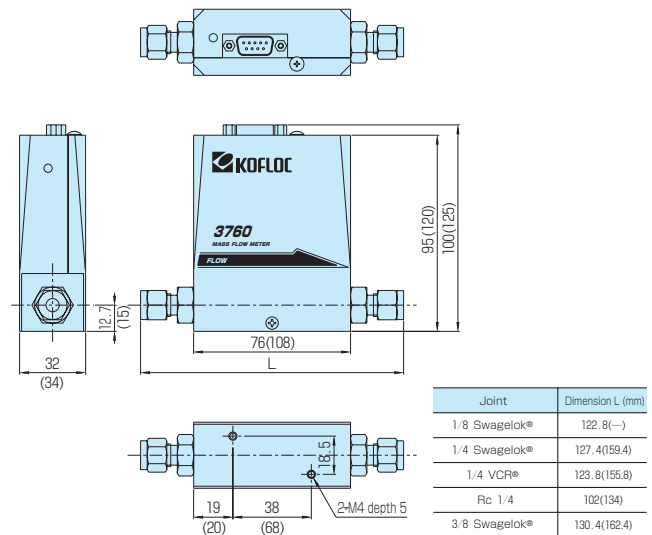
Harness Layout

Pin Assignment of Dsub 9-pin Connector per KFC standard

Pin No.	Signal	Pin No.	Signal
1	NC	6	NC
2	Flow output 0-5 V	7	Flow output COM
3	+15 VDC Power source	8	NC
4	Power source COM	9	NC
5	-15 VDC Power source		

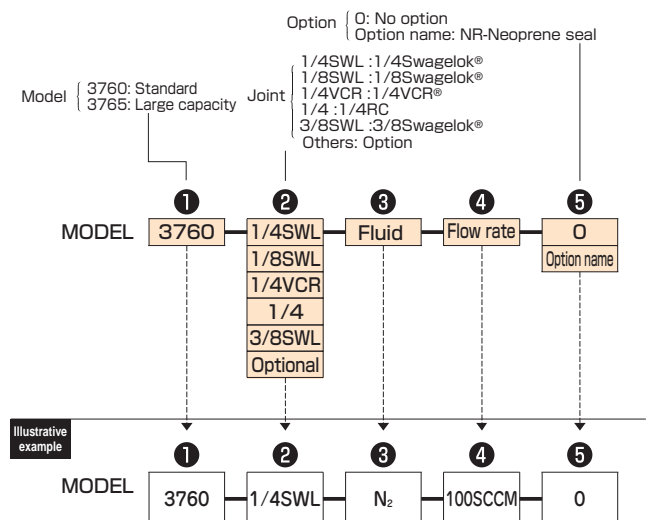


Dimensions



Dimensions indicated in () are for the 3765.

Ordering



* Refer to "Ordering" and "Illustrative Example" when placing an order or requesting a quotation. Fill in the blanks in the "Order/Quotation Request Card" at the end of the catalog, and send the card by fax.