



120MPa

Super High Pressure Coriolis Flow Meter



Super high pressure hydrogen dispenser for FCV comes of age.

- ◆ Operating pressures up to 120MPa.
- ◆ Exceptionally broad flow range (2.4 to 300kg/h): this single unit can refuel heavy buses.

■ GENERAL PERFORMANCE

Item	Description
Flow range	2.4 to 300kg/h
Accuracy	±0.05% of full scale (2.4 to 9.6kg/h)
	±0.5% of reading (9.6 to 300kg/h)

GENERAL SPECIFICATIONS

● Sensor Unit

Item	Description
Model	CA004 $\frac{1}{2}$ 13XX2 $\frac{1}{2}$ $\frac{3}{4}$
Nominal size	9/16"
Process connection	High pressure cone & Thread connection: size 9/16 562C
Material	Wetted parts
	Housing
Applicable fluids	Liquid and Gas
Operating temp. range	-40 to +130°C
Max. operating pressure	120MPa
Explosionproof configuration	ATEX/IECEX II2G Ex ib IIC T3, T4 Gb TIIS Exia IIC T1 *
Weight	20kg approx.

* Transmitter will be rack-mount type (MT9431).

● Transmitter

Item	Description
Model	PA0K
Power source	85 to 264VAC 50/60Hz, or 20 to 30VDC
Power consumption	15W max.
Ambient temperature	-40 to +55°C
Transmission length	200m max. (Dedicated cable used)
Explosionproof configuration	ATEX/IECEX II2G Ex d [ib] IIC T6 Gb
Installation	Remotely mounted
Finish	Sensor: Munsell 10B8/4, Covers (front and rear): 2.5PB4/10
Weight	5kg approx.
Pulse output	Open collector output (10V min. to 30Vmax., 50mA DC), or Voltage pulse ("Low Level" : 1.5V max. "High Level" : 15V min., Output impedance 2.2kΩ), Setting range: 0.1 to 10000Hz (max. output 11000Hz)
Analog output	4 to 20mADC (max. load 600Ω) Select two outputs from instant flowrate (mass or volume) temperature.
Status output	Open collector output (Max.30V, 50mADC) Select one output from error, flow direction, or high/low alarm (default is error)
Status input	Contact-closure input (Form "a" contact) Short: 200Ω max., Open: 100kΩ min. Select one output from remote zero, total reset, 0% signal lock, or function off (default is function off).

DIMENSIONS

● Sensor unit

● Transmitter

■ WIRING

● Between Sensor Unit and Transmitter

Unit in : mm

High pressure cone & Thread connection: size 9/16" 562C

Conduit connection G3/4

Conduit connection G3/4

Conduit connection G3/4

Interconnect cable (200m max.)

Terminal box

Transmitter

ALT mass
0.00000
0.00000
0.00000

ALT mass
0.00000
0.00000
0.00000

※: While stanchion mounting hardware is furnished as standard accessory, the customer is to furnish the stanchion.

The specification as of September, 2018 is stated in this catalog. Specifications and design are subject to change without notice.



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