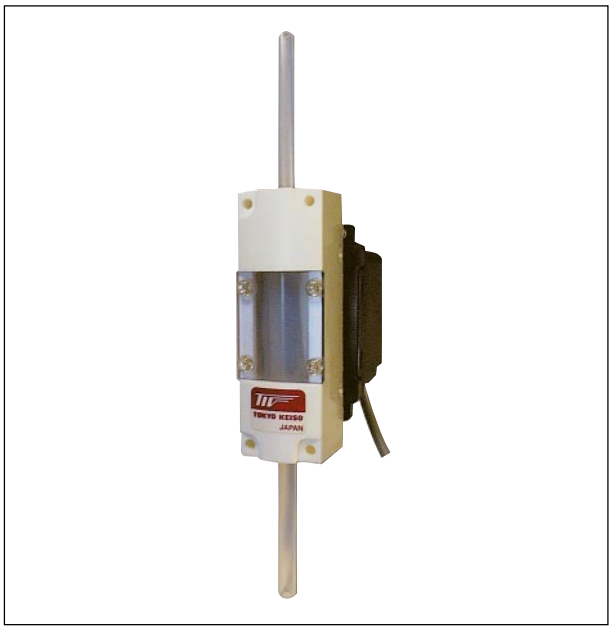
P-7810 Series ● PURGEMETER WITH ANALOG OUTPUT

GENERAL

P-7810 is a purge meter developed by flow meter production technologies of Tokyo Keiso cultivated through years of designing and production experience.
It is combined with the renowned PCS type CCD sensor and is used as a remote flow sensor. It allows fluid to be directly viewed in the tapered tube, and displays the flow at the float position. It is compatible with remote monitoring and control since it allows the flow value to be output as current signal of DC 4 to 20mA. The minimum range is 2 to 20 mL/min to cover the world's minimum range as a fluid flow sensor



FEATURES

- Covers the world's minimum range as a fluid flow sensor.
- The entire fluid contact section is designed in PFA and Teflon structure, and is perfectly ion-free.
- Tube joint compatible with semiconductor equipment
- Saves your cost since the product is equipped with 4-loop compatible OAC-1 dedicated controller.

STANDARD SPECIFICATION

Object for measurement: Fluid in general (pure water, extra pure water, low-viscosity chemical fluid)
Measuring range : Minimum 2 to 20mL/min.
Maximum 30 to 300mL/min.
For details, see the model code table.
Maximum operating pressure : 5kgf/cm²G(0.5MPa)
Maximum operating temperature : 60°C
Direction of flow : Bottom to top
Installation : installed on the panel
Process connection : Connected to 6.35mm tube end
Material :

Fluid contact section	PFA
Enclosure cover	PP
Fitting	PFA tube
Scale plate	Transparent tube
Screws	Poly-carbonate

Output DC4 to 20mA
Output accuracy : +/-3% F.S.
Accuracy guarantee output range : 10:1
Permissible load resistance : 300 ohms
Wiring system : 4-wire type
Power supply : DC 12 V +/- 10%
Structure : non-water proof, designed for indoor use

MODEL CODE

P-7810-0-T2-L		Description
Flow range	0020	2 ~ 20 mL/min
	0030	3 ~ 30 mL/min
	0040	4 ~ 40 mL/min
	0050	5 ~ 50 mL/min
	0060	6 ~ 60 mL/min
	0070	7 ~ 70 mL/min
	0080	8 ~ 80 mL/min
	0090	9 ~ 90 mL/min
	0100	10~100 mL/min
	0150	15~150 mL/min
	0200	20~200 mL/min
	0300	30~300 mL/min

EXTERNAL DIMENSIONS