



KTP-5000 Series

Positive-Displacement Flow meter
Accurately Measures the Volume

■ FEATURE

- Capable of measuring a variety of fluids including water, oil, and chemicals
- Flange type or screw type can be selected
- DC / AC power type or battery type is selectively available
- More resistant to foreign materials compared with common volume flow meter
- No need for a straight piping section
- Possible to measure highly viscous fluids
- High accuracy of measurement and capability of measuring minute flow rates
- Customized piping installation length

■ APPLICATIONS

- ▶ General industry
 - Utility Use : Auxiliary and supply lines used in energy distribution
- ▶ Chemical and Other Process industry
 - Batching and mixing in the reactor
- ▶ Food and Beverage
 - Quantitative measurement, settlement, charge
 - Mass flow rate measurement of ice cream and milk
 - Flow measurement of brewing process
- ▶ Pharmaceutical Industry
 - Quantity distribution, charging
- ▶ Water resource

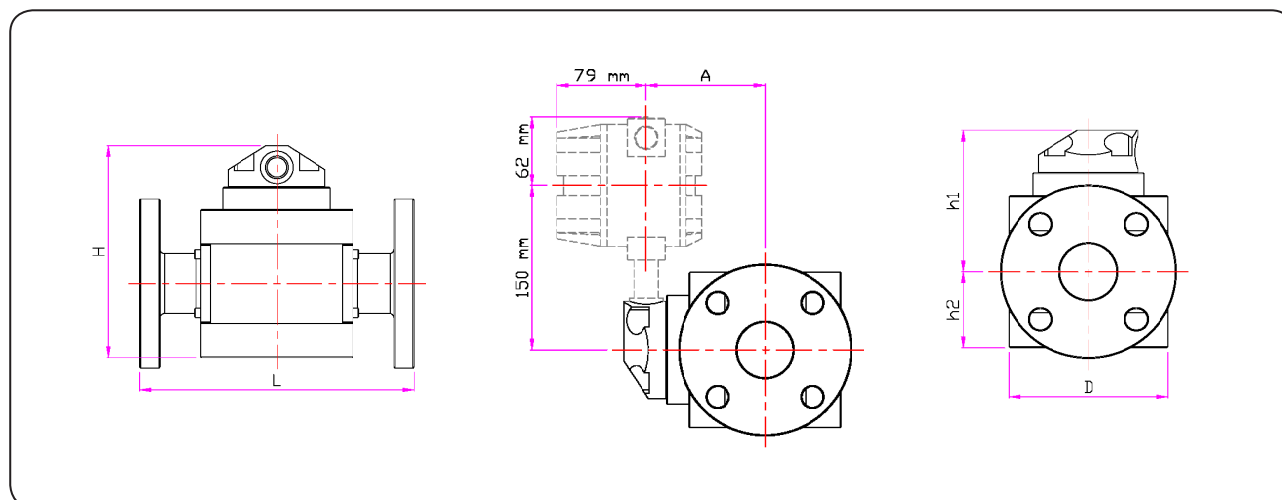
KTP-5000 Series General Specifications

Size	15A (1/2") - 50A (2")
Process Connection	Flange type - KS / JIS / ANSI / ASME / DIN Std. Taper Pipe Thread type (PT)
Flow Ranges	Excess 5cP - 2 L/min ~ 350 L/min Under 5cP - 3 L/min ~ 300 L/min
Accuracy	±0.5 % F.S
Repeatability	0.03 %
Fluid Temperature	Max. 120 °C (Option 200 °C)
Ambient Temperature	-25 °C ~ 60 °C
Max. Pressure	Max. 20 kgf/cm ² .G (Option 55 kgf/cm ² .G)
Max. Viscosity	1000 Centipoise
Power Supply	AC 220 V / DC 24 V / 3.6 V battery
Display	LCD Display with Backlight (Flow rate, Totalizer)
Output	DC 4-20 mA, Pulse

MODEL CODE

K T P - 5 0 0 0	-	□	-	□	Specification
		S			Pulse type without Indicator
		F			AD 110/220V or DC 24V (4-Wire) type with Indicator
		M			3.6 V battery type with Indicator
				F	Connection - Flange Type
				T	Connection - Screw Type

STRUCTURAL DRAWING



DEMENSIONS

Connector Size		Dimensions (mm)					
		L	D	H	h1	h2	A
15A	1/2 B	200	120	140	41	99	77
20A	3/4 B	200	120	140	41	99	77
25A	1 B	200	120	150	46	104	82
32A	1-1/4 B	250	140	170	56	114	92
40A	1-1/2 B	250	150	200	71	129	107
50A	2 B	300	170	230	86	144	122

* 50A or more can be made to order / Customizable Dimension

FLOW RANGE

Connector Size		Flow ranges (LPM)	
		5cP 초과	5cP 미만
15A	1/2 B	0.5-30	0.5-30
20A	3/4 B	1-50	1.5-50
25A	1 B	2-100	3-100
32A	1-1/4 B	2-150	3-150
40A	1-1/2 B	3-200	5-200
50A	2 B	5-300	8-300

* Customizable Flow range

STRAINER

Connector Size		Straner mesh	Clearance
15A	1/2 B	60	0.0092
20A	3/4 B	60	0.0092
25A	1 B	60	0.0092
32A	1-1/4 B	60	0.0092
40A	1-1/2 B	60	0.0092
50A	2 B	60	0.0092



KTP-3000 Series

Positive-Displacement Flow meter
Accurately Measures the Volume

■ FEATURE

- Capable of measuring a variety of fluids including water, oil, and chemicals
- Flange type or screw type can be selected
- DC / AC power type or battery type is selectively available
- No need for a straight piping section
- Possible to measure highly viscous fluids
- High accuracy of measurement and capability of measuring minute flow rates
- Customized piping installation length

■ APPLICATIONS

- ▶ General industry
 - Utility Use : Auxiliary and supply lines used in energy distribution
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 - Batching and mixing in the reactor
- ▶ Food and Beverage
 - Quantitative measurement, settlement, charge
 - Mass flow rate measurement of ice cream and milk
 - Flow measurement of brewing process
- ▶ Pharmaceutical Industry
 - Quantity distribution, charging
- ▶ Water resource

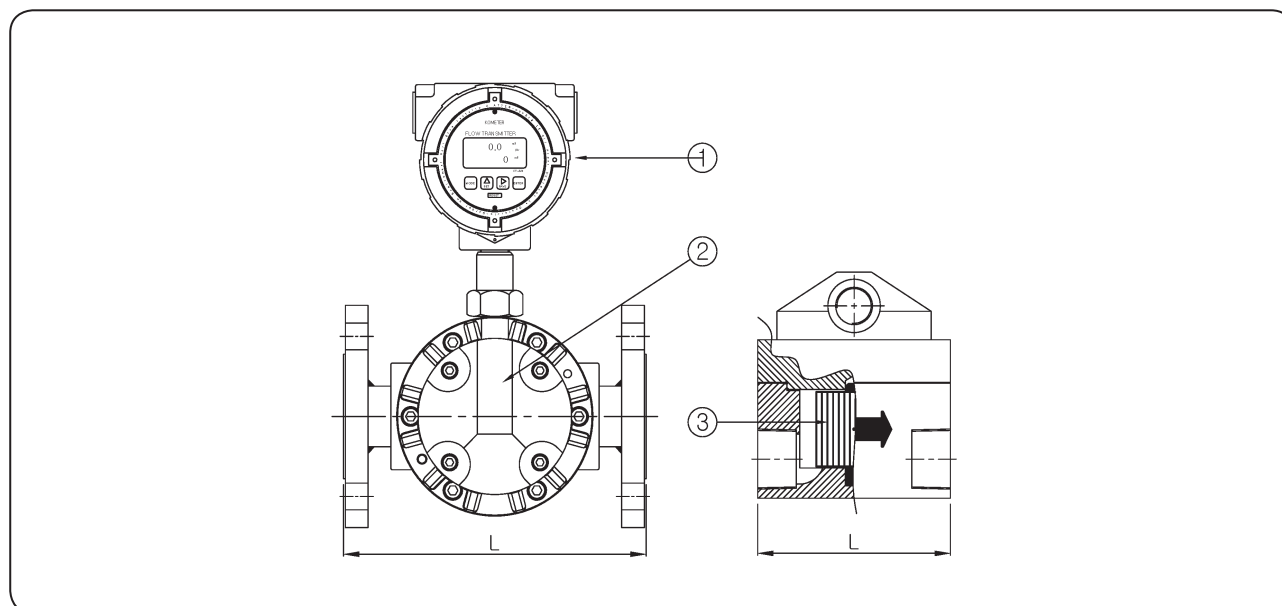
KTP-3000 Series General Specifications

Size	15A (1/2") - 50A (2")
Process Connection	Flange type - KS / JIS / ANSI / ASME / DIN Std. Taper Pipe Thread type (PT)
Flow Ranges	Excess 5cP - 2 L/min ~ 350 L/min Under 5cP - 3 L/min ~ 300 L/min
Accuracy	±0.5 % F.S
Repeatability	0.03 %
Fluid Temperature	Max. 120 °C (Option 200 °C)
Ambient Temperature	-25 °C ~ 60 °C
Max. Pressure	Max. 20 kgf/cm ² .G (Option 55 kgf/cm ² .G)
Max. Viscosity	1000 Centipoise
Power Supply	AC 220 V / DC 24 V / 3.6 V battery
Display	LCD Display with Backlight (Flow rate, Totalizer)
Output	DC 4-20 mA, Pulse

MODEL CODE

K T P - 3 0 0 0	-	□	-	□	Specification
		S			Pulse type without Indicator
		F			AD 110/220V or DC 24V (4-Wire) type with Indicator
		M			3.6 V battery type with Indicator
				F	Connection - Flange Type
				T	Connection - Screw Type

STRUCTURAL DRAWING



DEMENSIONS

Connector Size		L(mm)	
		Flange	Screw
15A	1/2B	180	90
25A	1B	220	170
40A	1-1/2B	250	200
50A	2B	280	230

* Customized piping installation length(L)

STANDARD MATERIAL

No.	Description	Material
1	Indicator	ADC12
2	Body	316SS
3	Gear	316SS

FLOW RANGE

Connector Size		Flow ranges (LPM)	
		5 cP 초과	5 cP 미만
15A	1/2B	1-30	1-30
25A	1B	3-100	5-100
40A	1-1/2B	6-200	10-200
50A	2B	10-300	15-300

STRAINER

Connector Size		Strainer mesh	Clearance
15A	1/2B	60	0.0092
25A	1B	60	0.0092
40A	1-1/2B	60	0.0092
50A	2B	60	0.0092



KTPA-2000 Series

Positive-Displacement Flow meter
Accurately Measures the Volume

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- Capable of measuring a variety of fluids including water, oil, and chemicals
- Flange type or screw type can be selected
- DC / AC power type or battery type is selectively available
- No need for a straight piping section
- Possible to measure highly viscous fluids
- High accuracy of measurement and capability of measuring minute flow rates
- Customized piping installation length

■ APPLICATIONS

- ▶ General industry
 - Utility Use : Auxiliary and supply lines used in energy distribution
- ▶ Chemical and Other Process industry
 - Batching and mixing in the reactor
- ▶ Food and Beverage
 - Quantitative measurement, settlement, charge
 - Mass flow rate measurement of ice cream and milk
 - Flow measurement of brewing process
- ▶ Pharmaceutical Industry
 - Quantity distribution, charging
- ▶ Water resource

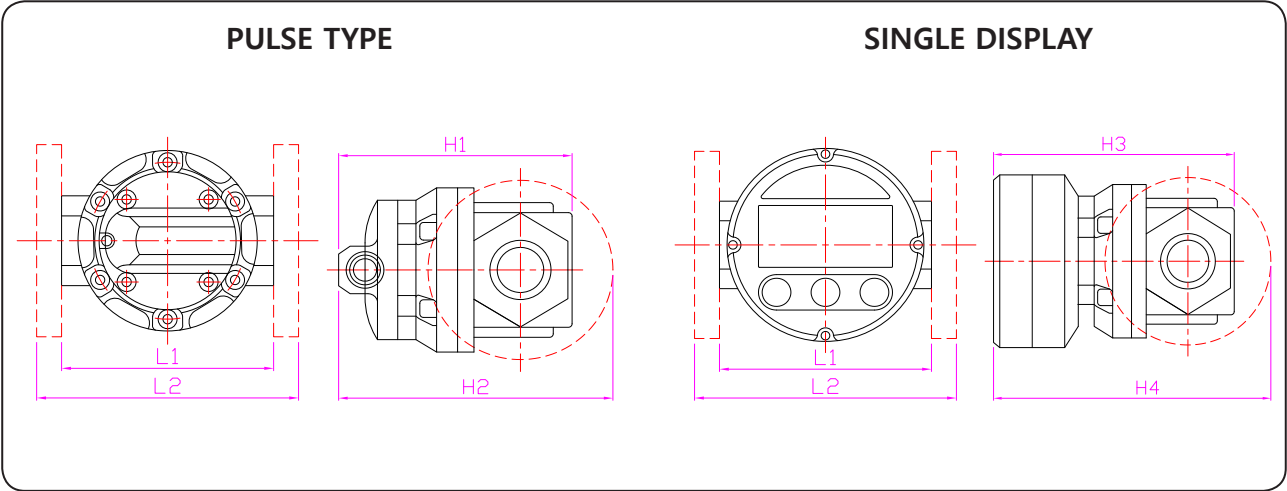
KTPA-2000 Series General Specifications

Size	25A (1") - 50A (2")
Process Connection	Flange type - KS / JIS / ANSI / ASME / DIN Std. Taper Pipe Thread type (PT)
Flow Ranges	6 L/min ~ 350 L/min
Accuracy	±0.5 % F.S
Repeatability	0.03 %
Fluid Temperature	Max. 80 °C
Ambient Temperature	-25 °C ~ 60 °C
Max. Pressure	Max. 20 kgf/cm ² .G
Max. Viscosity	1000 Centipoise
Power Supply	AC 220 V / DC 24 V / 3.6 V battery
Display	LCD Display with Backlight (Flow rate, Totalizer)
Output	DC 4-20 mA, Pulse

MODEL CODE

K T P A - 2 0 0 0	-	□	-	□	Specification
		S			Pulse type without Indicator
		F			AD 110/220V or DC 24V (4-Wire) type with Indicator
		M			3.6 V battery type with Indicator
				F	Connection - Flange Type
				T	Connection - Screw Type

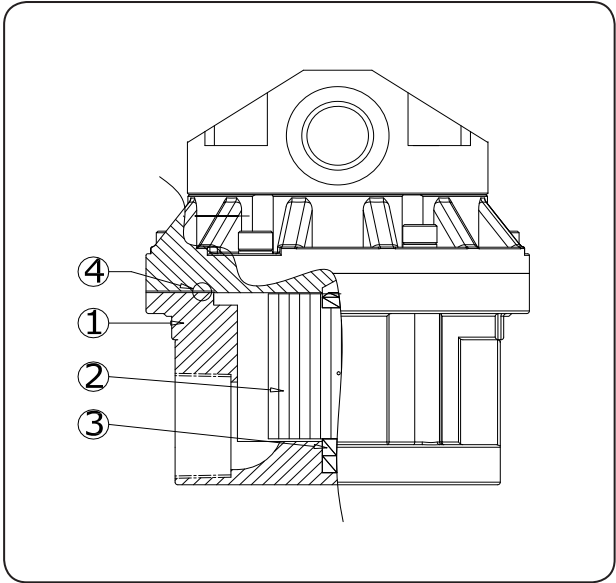
STRUCTURAL DRAWING



DEMENSIONS & FLOW RANGE

Connector Size		L1	H1	H2	H3	H4	Flow ranges (LPM)
25A	1B	133	142	169.5	154	181.5	6 ~ 120
40A	1-1/2B	150	163	188	180	205	10 ~ 250
50A	2B	210	193	215.5	213	235.5	15 ~ 350

STANDARD MATERIAL



No.	Description	Material
1	Body	Aluminum
2	Rotors	PPS
3	Shafts	316SS
4	O-ring	NBR



KTP-500 Series

Positive-Displacement Flow meter
Accurately Measures the Volume

FEATURE

- Capable of measuring a variety of fluids including water, oil, and chemicals
- Pulse (Hall Effect, Reed Switch) output type
- Suitable for corrosive fluids or for a high temperature
- No need for a straight piping section
- Possible to measure highly viscous fluids
- High accuracy of measurement and capability of measuring minute flow rates
- Customized piping installation length

APPLICATIONS

- ▶ General industry
 - Utility Use : Auxiliary and supply lines used in energy distribution
- ▶ Chemical and Other Process industry
 - Batching and mixing in the reactor
- ▶ Food and Beverage
 - Quantitative measurement, settlement, charge
 - Mass flow rate measurement of ice cream and milk
 - Flow measurement of brewing process
- ▶ Pharmaceutical Industry
 - Quantity distribution, charging
- ▶ Water resource

KTP-500 Series General Specifications

Size	6A (1/4")
Process Connection	Taper Pipe Thread type (PT)
Flow Ranges	Over 5 cP : 20 L/h ~ 500 L/h (Option 15 L/h ~ 500 L/h)
Accuracy	±0.5 % F.S
Fluid Temperature	Max. 120 °C
Ambient Temperature	-25 °C ~ 60 °C
Max. Pressure	Max. 20 kgf/cm ² .G (Option 350 kgf/cm ² .G)
Max. Viscosity	1000 Centipoise
Pulse per Liter	400
Display	LCD Display with Backlight (Flow rate, Totalizer)
Output	Pulse (Hall effect sensor or Reed switch)
Mesh Strainer Size	200 MESH
Dimensions	50 x 50 mm

MODEL CODE

K T P	-	□□□	Specification
		500	Low flow

STANDARD MATERIAL

No.	Description	Material
1	Meter body	316SS
2	Shaft	316SS
3	O-ring	EPDM



KTP-100 Series

Positive-Displacement Flow meter
Accurately Measures the Volume

■ FEATURE

- Capable of measuring a variety of fluids including water, oil, and chemicals
- Pulse (Hall Effect, Reed Switch) output type
- Suitable for corrosive fluids or for a high temperature
- No need for a straight piping section
- Possible to measure highly viscous fluids
- High accuracy of measurement and capability of measuring minute flow rates
- Customized piping installation length

■ APPLICATIONS

- ▶ General industry
 - Utility Use : Auxiliary and supply lines used in energy distribution
- ▶ Chemical and Other Process industry
 - Batching and mixing in the reactor
- ▶ Food and Beverage
 - Quantitative measurement, settlement, charge
 - Mass flow rate measurement of ice cream and milk
 - Flow measurement of brewing process
- ▶ Pharmaceutical Industry
 - Quantity distribution, charging
- ▶ Water resource

KTP-100 Series General Specifications

Size	6A (1/4")
Process Connection	Taper Pipe Thread type (PT)
Flow Ranges	Over 5 cP : 7 L/h ~ 100 L/h (Option 1 L/h ~ 100 L/h)
Accuracy	±0.5 % F.S
Fluid Temperature	Max. 120 °C
Ambient Temperature	-25 °C ~ 60 °C
Max. Pressure	Max. 20 kgf/cm ² .G (Option 350 kgf/cm ² .G)
Max. Viscosity	1000 Centipoise
Pulse per Liter	400
Display	LCD Display with Backlight (Flow rate, Totalizer)
Output	Pulse (Hall effect sensor or Reed switch)
Mesh Strainer Size	200 MESH
Dimensions	50 x 50 mm

MODEL CODE

K T P	-	□□□	Specification
		100	Ultra Low flow

STANDARD MATERIAL

No.	Description	Material
1	Meter body	316SS
2	Shaft	316SS
3	O-ring	EPDM