

מדי זרימה שבשבת למים דגמי KI FOTEK להתקנה

בחירה

KI series

Inserted type Paddle Flow Sensor & Flow Meter

- Gas-proof structure are suited for corrosion surroundings
- Accuracy is less than $\pm 0.5\%$
- Pulse rate (K - factor) is settable
- Unit of Flow total meter is selectable (Liter/Gallon/Kilo-liter)
- Status of Flow rate meter limit output (NO/NC) is changeable
- Unit of pulse is selectable (LPP/GPP/KLPP)
- Power on delay time is settable for Flow rate meter limit output



Guiding of model

Series	KIC	KIP/KIM	KIB	KIW
Outline				
	KIC-TF-S 1 2 3	KIP-TF-S-RS-M12 1 2 3 4 5	KIB-TF-S-RS 1 2 3 4	KIW-TF-S-MM 1 2 3 4 「S」: L=68.5mm ; 「L」: L=98.5mm
Model guiding	Series		Function option	
	「KIM」 = Flow rate meter with transmitter 「KIP」 = Flow rate meter & Flow total meter with RS-485 「KIC」 = Battery type flow meter 「KIB」 = Flow meter with transmitter 「KIW」 = Flow sensor		「Non」 = 標準型 「RS」 = KIP & KIB series with MODBUS RTU 「A」 = KIM & KIB series with transmitter (4 - 20mA)	
	Material of Inserting tube		Connection method	
	「PVC」 = PVC 「PP」 = PP 「TF」 = PVDF		「Non」 = KIC series 「2m」 = KIW or KIP or KIM series with Lead wire 2m 「MM」 = KIW series with DIN 43650A micro mini 「M12」 = KIP or KIM series with Connector M12	
Length of Inserting tube				
「S」 = for (1" ~ 4") 「L」 = for (6" ~ 24")				

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● Wiring diagram

KIP		KIM	KIB	KIW																					
※ Standard 1> Brown : +10-30VDC 2>White : Out 2 (NPN) 3>Blue : 0V 4>Black : Out 1 (NPN)	※ With RS-485 1> Brown : +10-30VDC 2>White : Out 2 (NPN) 3>Blue : 0V 4>Black : Out 1 (NPN) 5>Orange : RS + 6>Grey : RS -	※ With transmitter 1> Brown 「+」10-30VDC 2> White : Out 2 (NPN) 3> Blue : 0V 4> Black : Out 1 (NPN) 5> Orange : 「+」 (4-20mA) 6> Grey : 「-」 (4-20mA)	※ With transmitter or RS-485 <table border="1" style="margin-left: 20px;"> <thead> <tr> <th colspan="2">Power</th> <th colspan="2">Tr / RS</th> <th colspan="3">Output</th> </tr> <tr> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> <th>7</th> </tr> </thead> <tbody> <tr> <td>+V</td> <td>0V</td> <td>-</td> <td>+</td> <td>COM</td> <td>NO</td> <td>NC</td> </tr> </tbody> </table> 「Power」 = 10-30VDC 「Tr」 = 4 - 20mA 「RS」 = RS-485 (Modbus) 「Output」 = Relay (1A/30VDC)	Power		Tr / RS		Output			1	2	3	4	5	6	7	+V	0V	-	+	COM	NO	NC	1> Brown : +5-30VDC 2> Blue : 0V 3> Black : PNP output 4> White : NPN output
Power		Tr / RS		Output																					
1	2	3	4	5	6	7																			
+V	0V	-	+	COM	NO	NC																			

● 「K」 reference factors (typical) / 「K」

DN	LPM	GPM	DN	LPM	GPM	DN	LPM	GPM	DN	LPM	GPM
15	124.00	471.00	20	72.00	274.00	25	54.00	205.20	40	19.00	72.00
50	10.30	39.00	65	6.70	25.50	80	4.70	18.00	100	2.10	8.00

● Specification

Product	Flow meter				Flow sensor
Model	KIC - □□	KIP - □□	KIM - □□	KIB - □□	KTW - □□
Operating voltage	3.0V	10 - 30VDC			5-30VDC
Current consumption	Non	60mA max.			10mA max.
Battery	Lithium battery	Non			Non
Life of battery	Over 1 year	Non			Non
Control output (LPM)	Non	NPN (150mA max.)		Relay (1A/30VDC)	Non
Control output (FTM)	Non	NPN (150mA max.)		Non	Non
Transmitter	Non	Non	4 - 20mA		Non
Communication	Non	MODBUS	Non	MODBUS	Non
Pulse output	Non	NPN		Non	NPN & PNP
Flow rate meter (LPM)	0.0 - 999.9 LPM (4 digits)				Non
Flow Total meter (FTM)	0 - 999999 (6 digits)			Non	Non
Fluid	Water or Chemical fluid				
Accuracy	± 0.5% of F.S. @ 25°C				
Response frequency	5K Hz				
Flow velocity	10 m / s max.				
Low cut	0.3 m / s min.				
Material of tube	Paddle = PFA (Teflon) ; Paddle shaft = Ceramic ; Sensor Body = PVC or PP or PVDF				
O-ring material	FKM (VITON)				
Operating temperature	「PVC」 < 60°C / 「PP」 < 80°C / 「PF」 < 100°C				
Protection class	KIW series is IP-67 , Others are Gas-proof				
Approval	CE / RoHS				