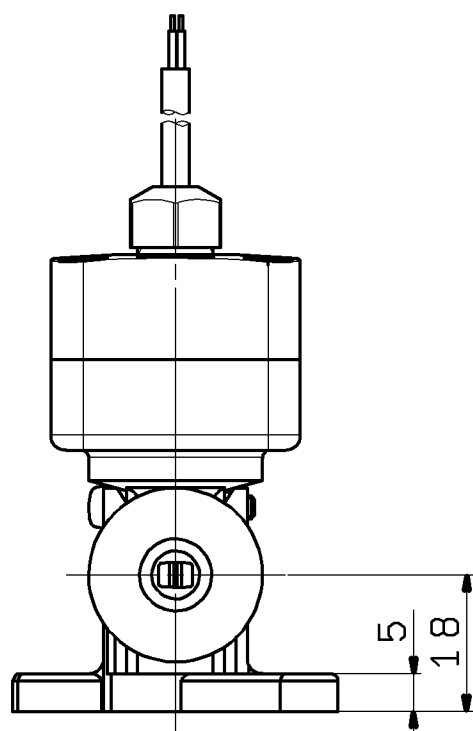
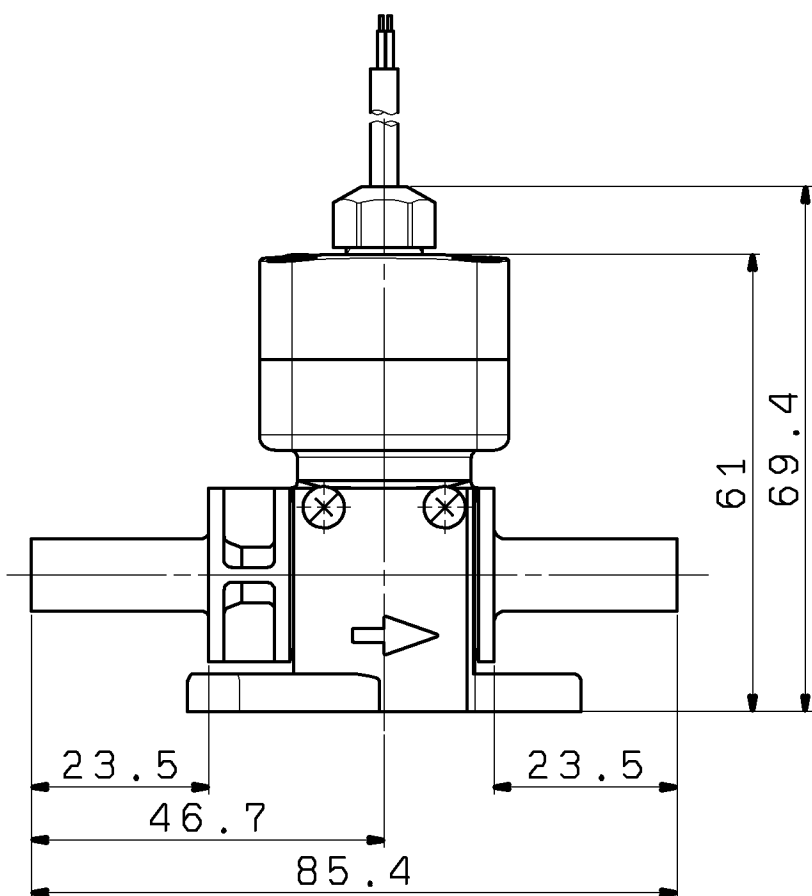
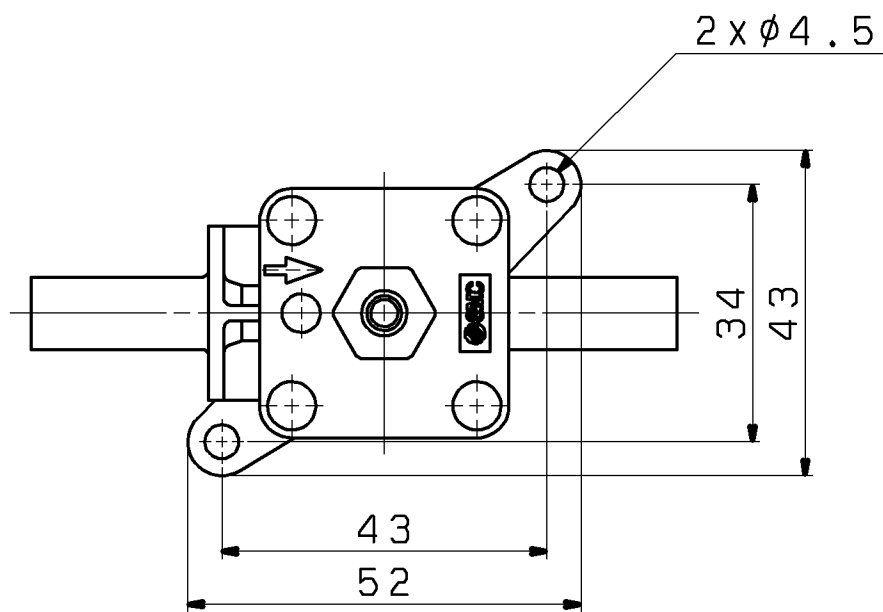




ON 9MO



How to order

LFK 30-T11-*-*-B

Fluid range •
30 0.4 to 4L/min

Fitting •
Symbol Tube O.D
T11 3/8"

•Option
Nil With out bracket
B With bracket

•Option
Nil NONE
C e-con connectorx1pc.
M M8 connector

•Output spec
1 Voltage output
2 Current output

Specification

Model No.	LFK30-T11-1-*(-B)	LFK30-T11-2-*(-B)
Fluid	Pure water or liquid not to corrode Teflon(Viscosity 3mPa·s or less)	
Measuring fluid range	0.4 to 4L/min	
Operating pressure range	0 to 1MPa *Note1	
Fluid temperature	0 to 90°C	
Linerarity	±2%F.S. or less (25°C water)	
Repeatability	±1%F.S. or less(25°C water)	
Temp.characteristic	±5%F.S. or less(0 to 50°C, 25°C standard)	
Analog output *Refer to Figure2	Output voltage:1 to 5V,Output impedance:1kΩ	Output current:4 to 20mA, Max.load impedance:300Ω for 12VDC,600Ω for 24VDC
Source voltage	DC12~24V ripple ±10% or less	
Protection structure	IP65	
Connection caliber	3/8"tube	
Lead wire	vinyle cabtire code 2m ø3.4 0.23mm²	
Material of wet part	Body:newPFA, Sensor:newPFA	

Note
1.Operating pressure range is changed depending
on fluid temperature. (See Figre1)

Withstand Pressure should be 1.5 times
max operating pressure.

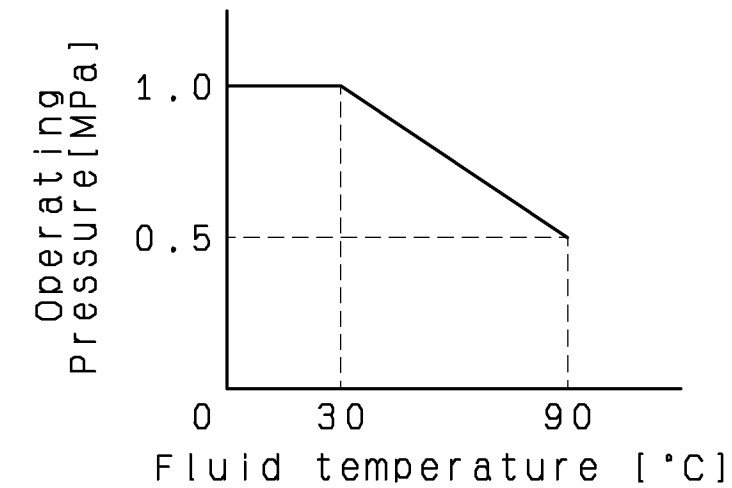


Figure1. Operating Pressure range

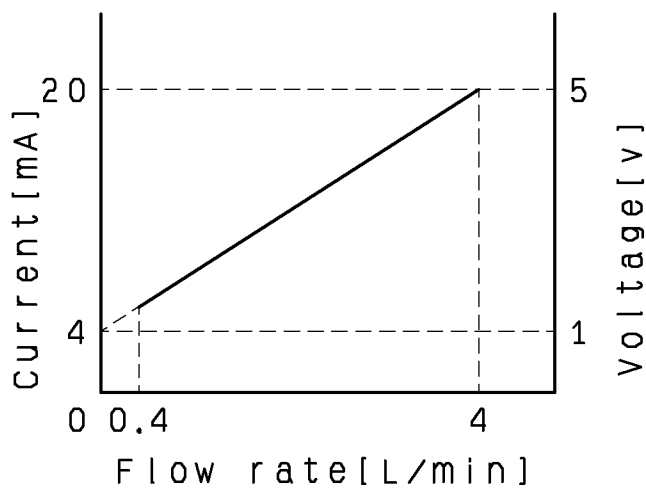
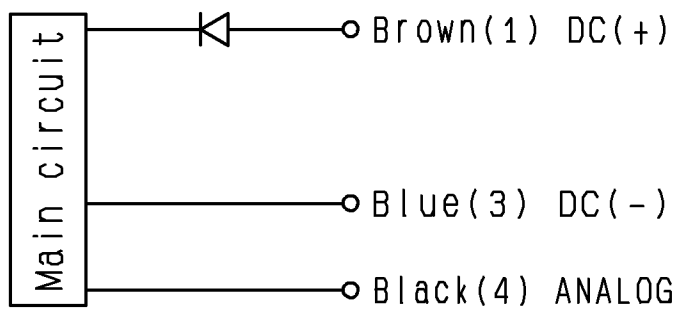
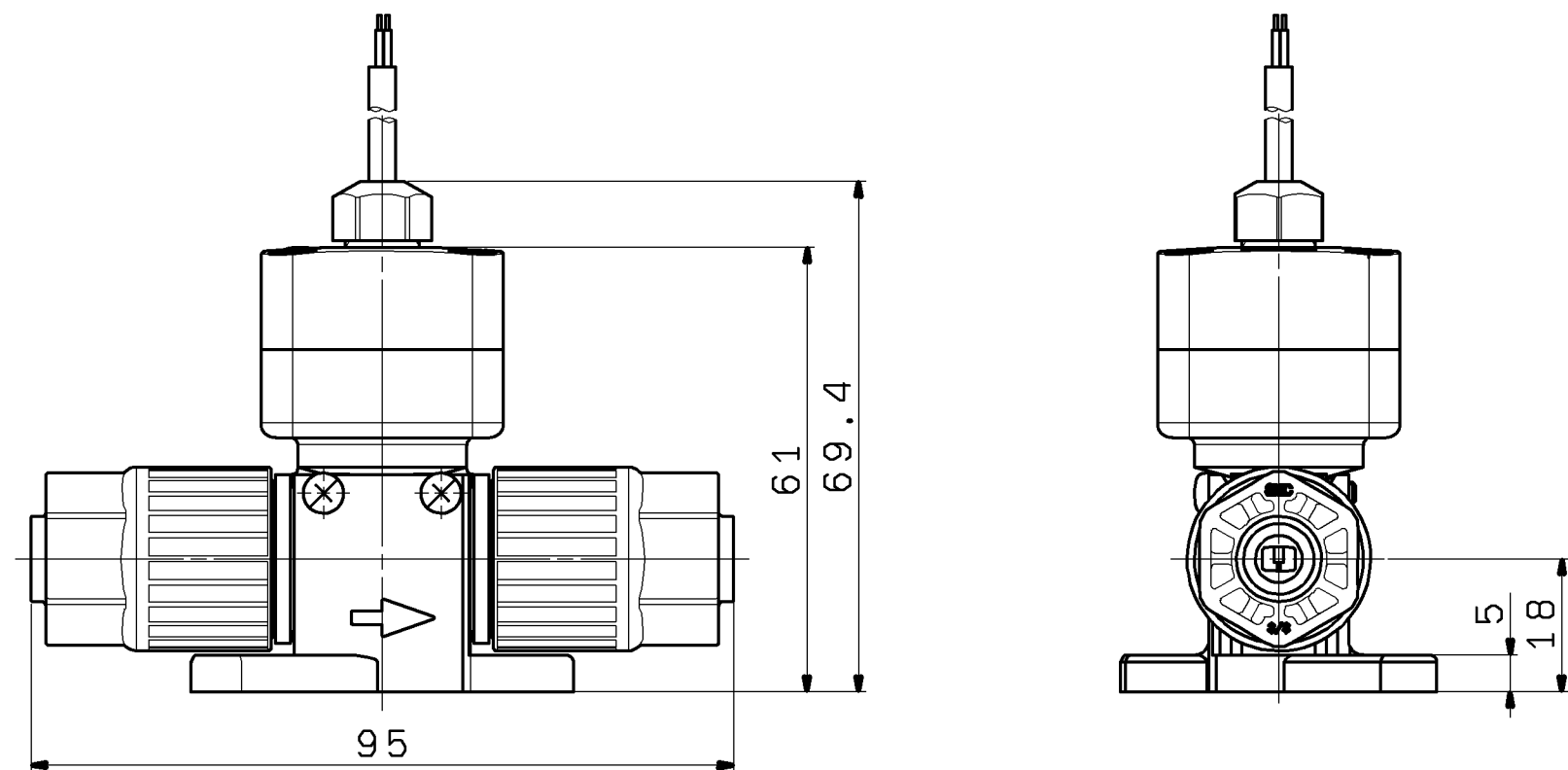
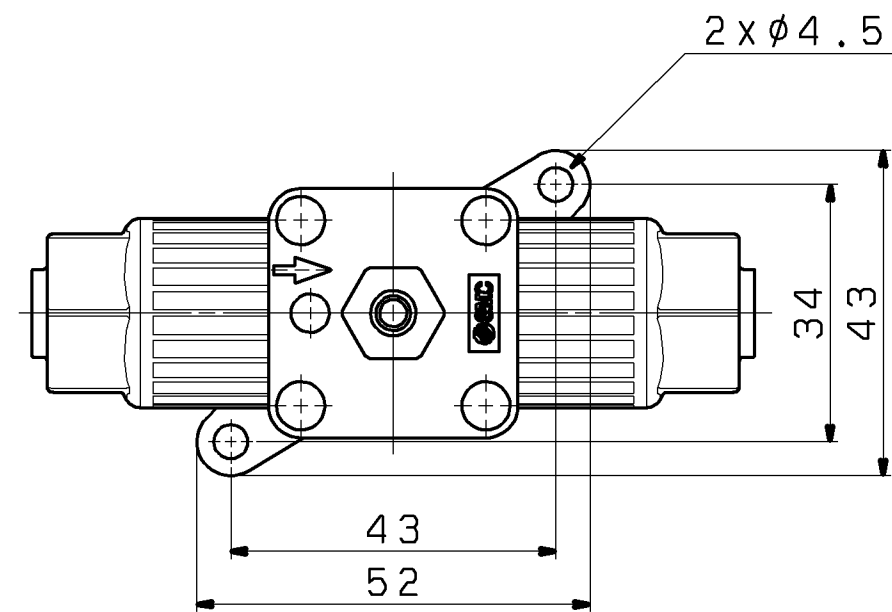


Figure2. Analog output



Electric circuits

				FINISH		
				PAINT		
				MASS		
				PACKING		
				MATERIAL		
				MATERIAL SIZE		
REV	QTY	DESCRIPTION	DATE	PREPARED	REV	NO
0	-	INITIAL RELEASE	2016-09-23	T.Uchino	-	
				SCALE		
				FREE		
				DWG NAME		
				Vortex Flow Switch		
				DWG NO		
				© LFK30-T11-*-*-(-B)		
				REVISION		



△ How to order

LFK 30-Z 11-*-* -B

Fluid range • 30 0.4 to 4L/min

LQ3 Integral fitting •

Fitting •

Symbol	Tube O.D
11	3/8"

Option

Nil	With out bracket
B	With bracket

Option

Nil	None
C	e-con connectorx1pc.
M	M8 connector

Output spec

1	Voltage output
2	Current output

△ Specification

Model No.	LFK30-Z11-1-*(-B)	LFK30-Z11-2-*(-B)
Fluid	Pure water or liquid not to corrode PFA(Viscosity 3mPa·s or less)	
Measuring fluid range	0.4 to 4L/min	
Operating pressure range	0 to 1MPa *Note1	
Fluid temperature	0 to 90°C	
Linerarity	±2%F.S. or less (25°C water)	
Repeatability	±1%F.S. or less(25°C water)	
Temp.characteristic	±5%F.S. or less(0 to 50°C, 25°C standard)	
Analog output	Output voltage:1 to 5V,Output impedance:1kΩ	
*Refer to Figure2	Output current:4 to 20mA, Max. load impedance:300Ω for 12VDC,600Ω for 24VDC	
Source voltage	DC12~24V ripple ±10% or less	
Protection structure	IP65	
Connection caliber	3/8"tube	
Material of wet part	Body:newPFA, Sensor:newPFA	
Lead wire	Vinyle cabtire code 2m φ3.4 0.23mm²	

Note

1.Operating pressure range is changed depending on fluid temperature. (See Figre1)

Withstand Pressure should be 1.5 times max operating pressure.

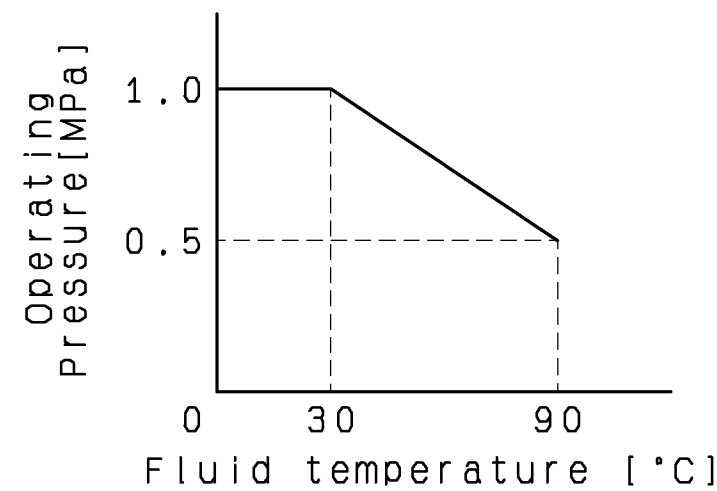


Figure1. Operating Pressure range

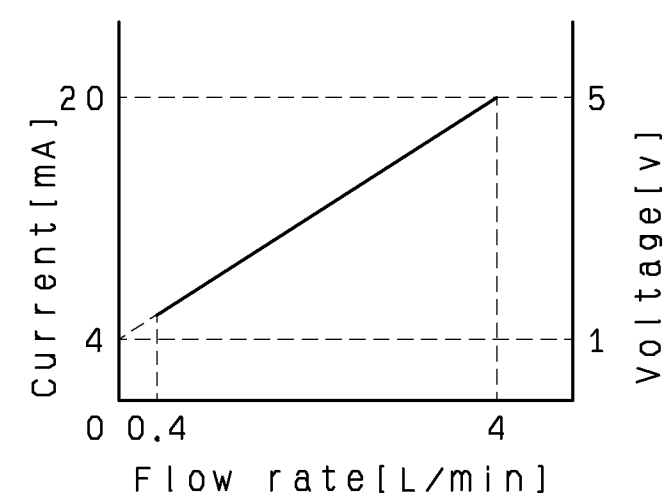
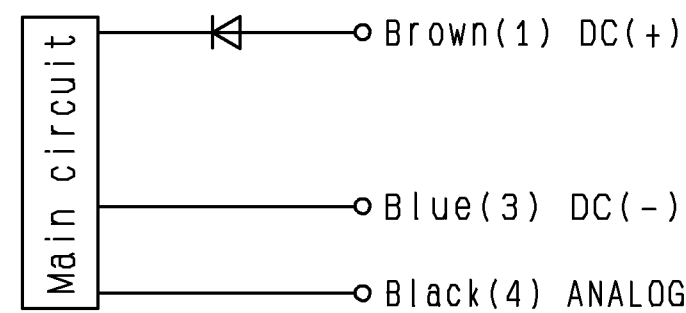


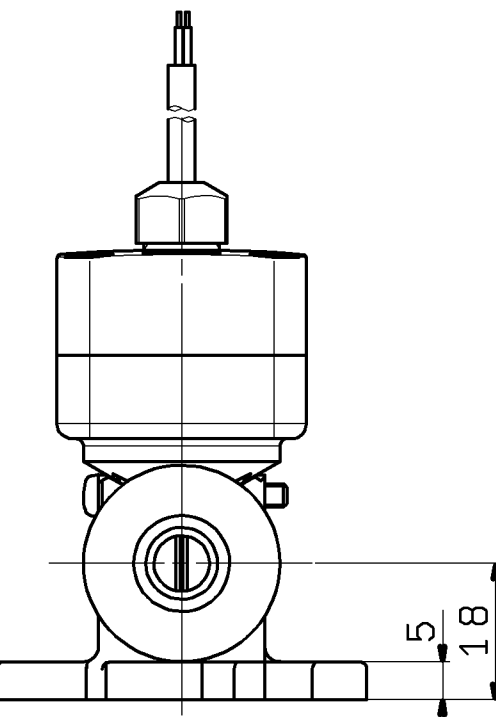
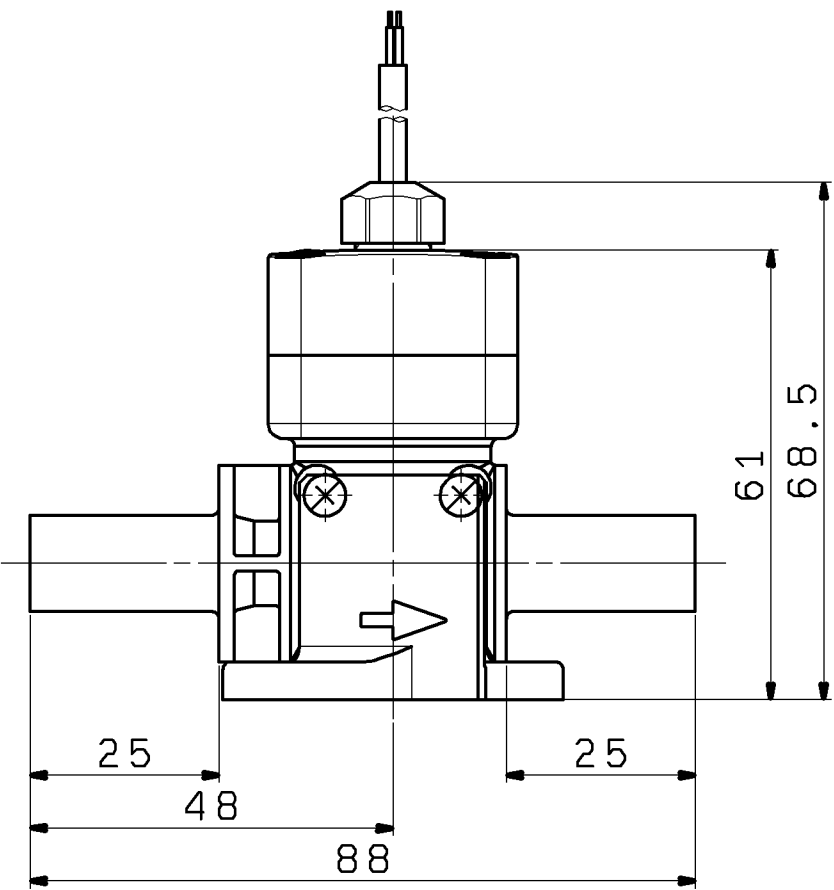
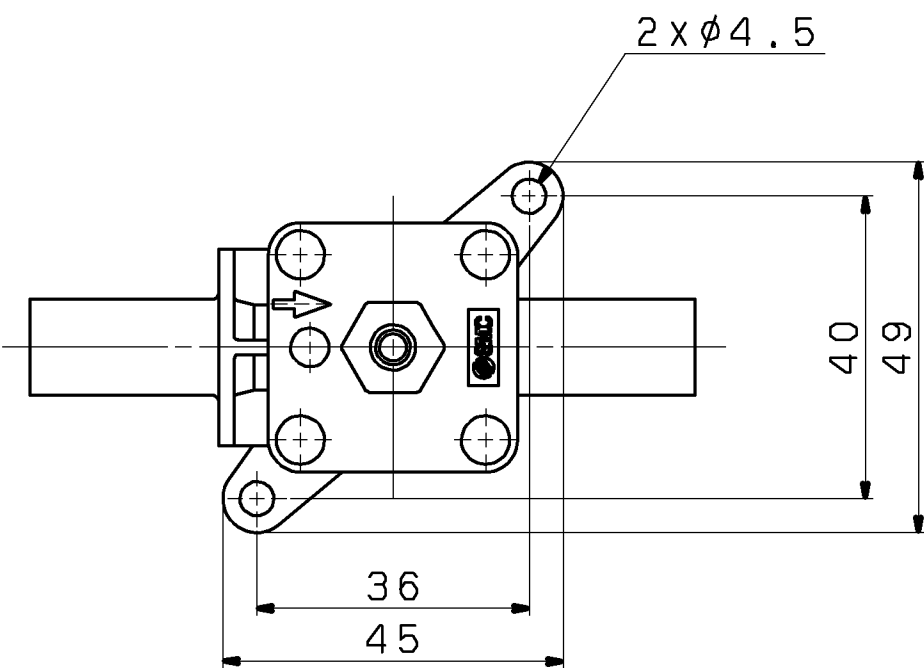
Figure2. Analog output



△ Electric circuits

				FINISH		
				PAINT		
				MASS		
				PACKING		
REV	QTY	DESCRIPTION	DATE PREPARED	REV NO	MATERIAL	MODEL QTY
3		SPECIFICATION CHANGE	2016-06-27 T.Uchino	LV30***-DMU0456		
4		CHANGE THE SPECIFICATION AND DRAWING NUMBER	2013-08-26 T.Uchino	LV30***-DMR0860		
1		INITIAL RELEASE	2013-04-19 T.Uchino	-		
				SCALE		
				FREE		
				DWG NAME		
				Vortex Flow Switch		
				DWG NO		
				LFK30-Z11-*(-B)		
				REVISION		
				2		

ON 9MO



How to order

LFK 40-T13-*-*-B

Fluid range
40 1.8 to 20L/min

Fitting
Symbol Tube O.D
T13 1/2"

Option
Nil With out bracket
B With bracket

Option
Nil NONE
C e-con connectorx1pc.
M M8 connector

Output spec
1 Voltage output
2 Current output

Specification

Model No.	LFK40-T13-1-*(-B)	LFK40-T13-2-*(-B)
Fluid	Pure water or liquid not to corrode Teflon(Viscosity 3mPa·s or less)	
Measuring fluid range	1.8 to 20L/min	
Operating pressure range	0 to 1MPa *Note1	
Fluid temperature	0 to 90°C	
Linerarity	±2%F.S. or less (25°C water)	
Repeatability	±1%F.S. or less(25°C water)	
Temp.characteristic	±5%F.S. or less(0 to 50°C, 25°C standard)	
Analog output *Refer to Figure2	Output voltage:1 to 5V,Output impedance:1kΩ	Output current:4 to 20mA, Max.load impedance:300Ω for 12VDC,600Ω for 24VDC
Source voltage	DC12~24V ripple ±10% or less	
Protection structure	IP65	
Connection caliber	1/2"tube	
Lead wire	vinyle cabtire code 2m ø3.4 0.23mm²	
Material of wet part	Body:newPFA, Sensor:newPFA	

Note
1.Operating pressure range is changed depending on fluid temperature. (See Figre1)

Withstand Pressure should be 1.5 times max operating pressure.

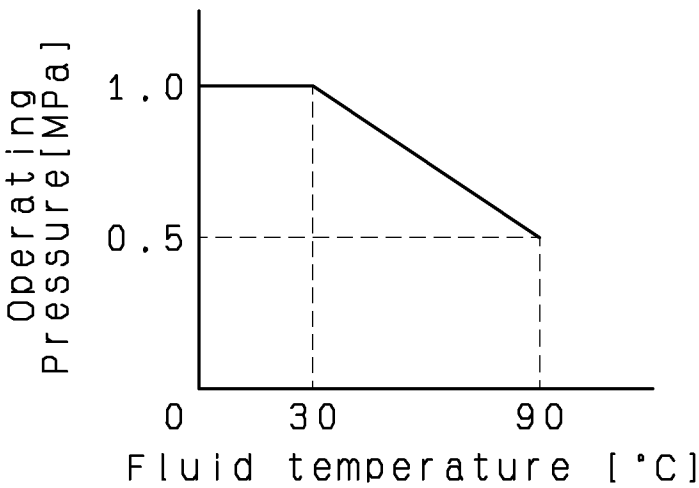


Figure1. Operating Pressure range

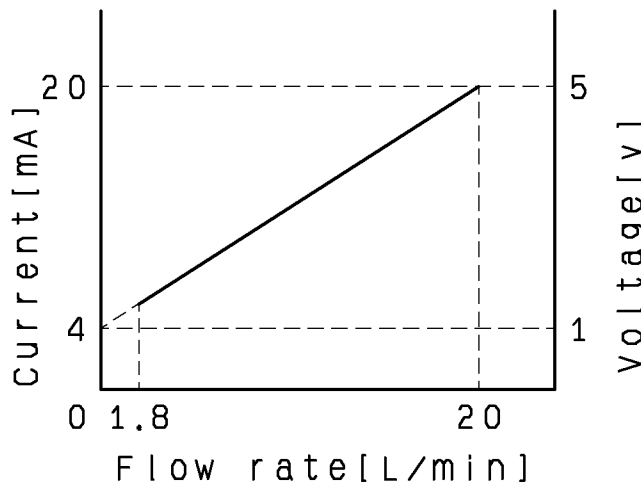
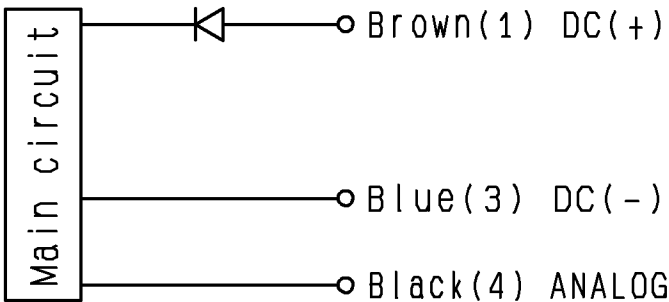
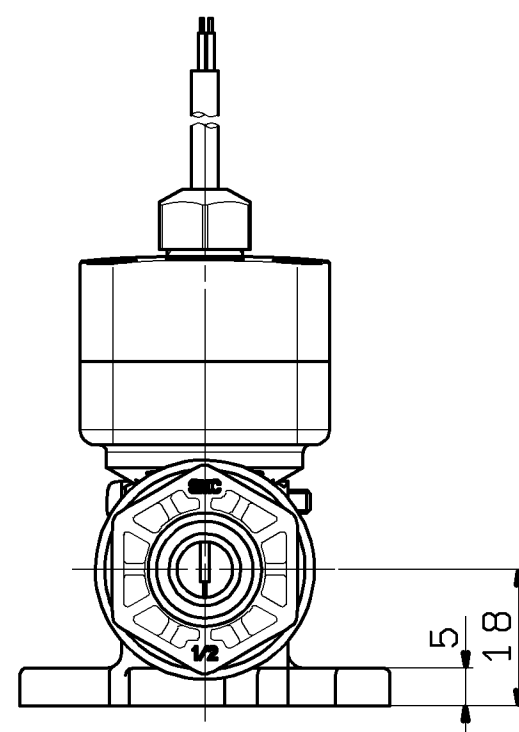
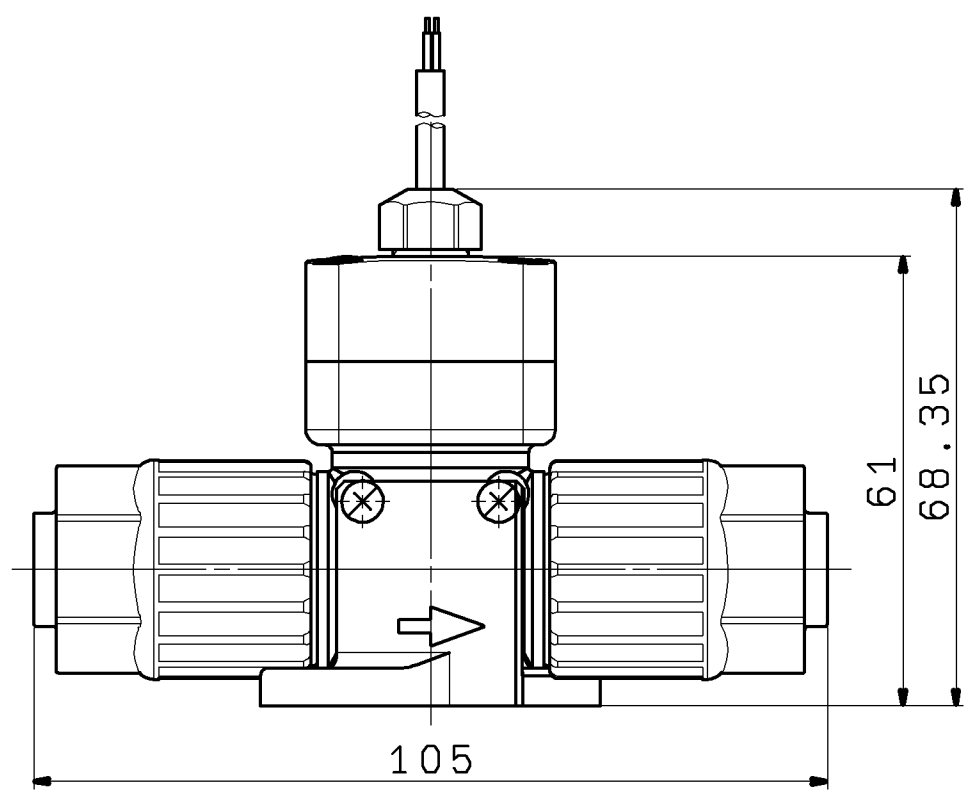
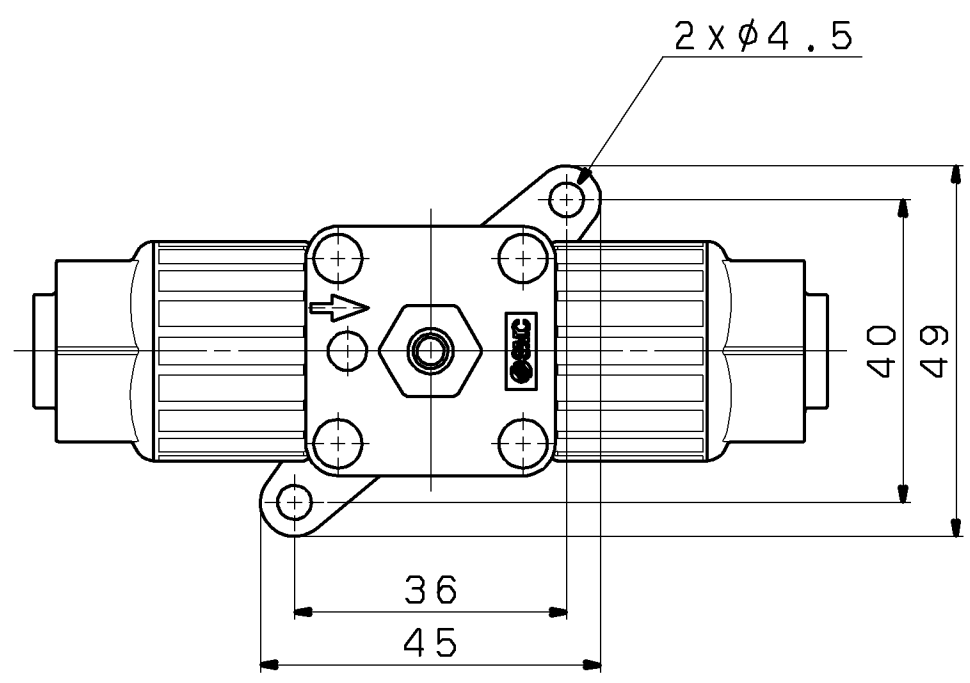


Figure2. Analog output



Electric circuits

FINISH		
PAINT		
MASS		
PACKING		
MATERIAL		
MATERIAL SIZE		
MODEL		QTY
THIRD ANGLE		
REV	QTY	
INITIAL RELEASE	2016-09-23	T.Uchino
DESCRIPTION	DATE PREPARED	REV NO
TOLERANCES JIS B 0405	DRAWN M.Saito	SCALE
RANGE (mm)	DATE 2016-09-23	FREE
0.5±0.3	DESIGNED T.Uchino	DWG NAME
3<D≤6	DATE 2016-09-23	Vortex Flow Switch
6<D≤30	CHECKED	DWG NO
30<D≤120	DATE	
120<D≤400	APPROVED Y.Okita	
400<D≤1000	DATE 2016-09-24	
1000<D≤2000		



How to order

LFK 40-Z 13-*-*(-B)

Fluid range: 40 1.8 to 20L/min

LQ3 Integral fitting

Fitting: Symbol 13, Tube O.D. 1/2"

Option: Nil With out bracket, B With bracket

Option: Nil None, C e-con connectorx1pc., M M8 connector

Output spec: 1 Voltage output, 2 Current output

Specification

Model No.	LFK40-Z13-1-*(-B)	LFK40-Z13-2-*(-B)
Fluid	Pure water or liquid not to corrode PFA(Viscosity 3mPa·s or less)	
Measuring fluid range	1.8 to 20L/min	
Operating pressure range	0 to 1MPa *Note1	
Fluid temperature	0 to 90°C	
Linerarity	±2%F.S. or less (25°C water)	
Repeatability	±1%F.S. or less(25°C water)	
Temp.characteristic	±5%F.S. or less(0 to 50°C, 25°C standard)	
Analog output	Output voltage:1 to 5V,Output impedance:1kΩ	
*Refer to Figure2	Output current:4 to 20mA, Max. load impedance:300Ω for 12VDC,600Ω for 24VDC	
Source voltage	DC12~24V ripple ±10% or less	
Protection structure	IP65	
Connection caliber	1/2"tube	
Material of wet part	Body:newPFA, Sensor:newPFA	
Lead wire	Vinyle cabtire code 2m ø3.4 0.23mm²	

Note
1.Operating pressure range is changed depending on fluid temperature. (See Figre1)

Withstand Pressure should be 1.5 times max operating pressure.

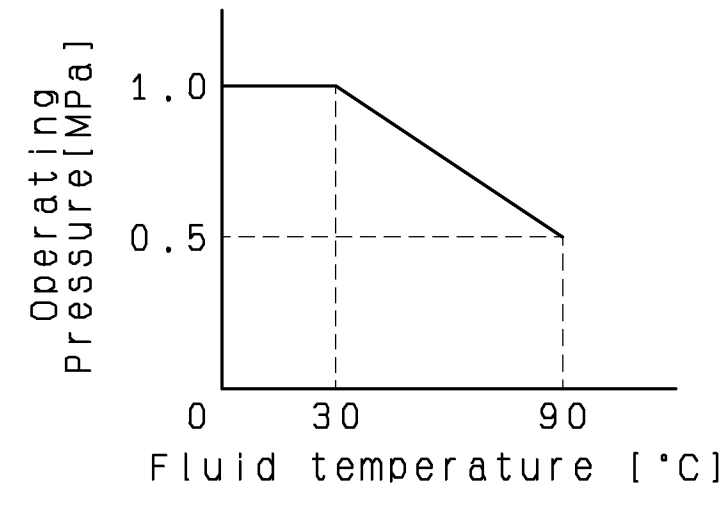


Figure1. Operating Pressure range

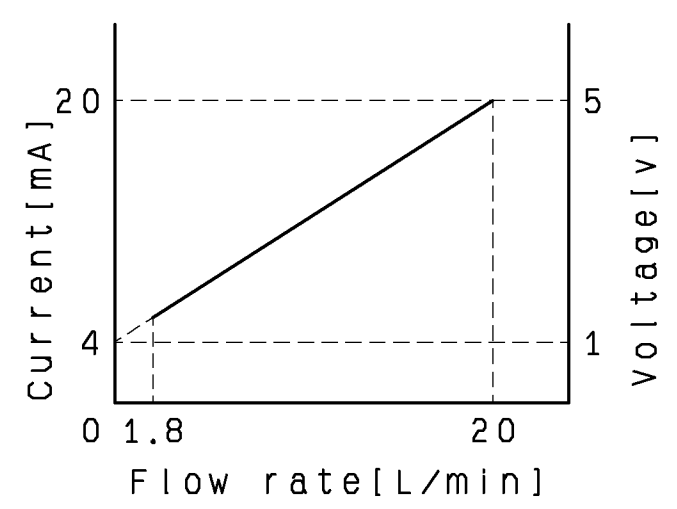
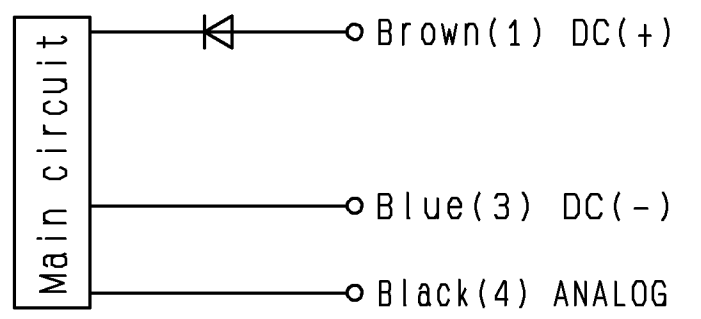
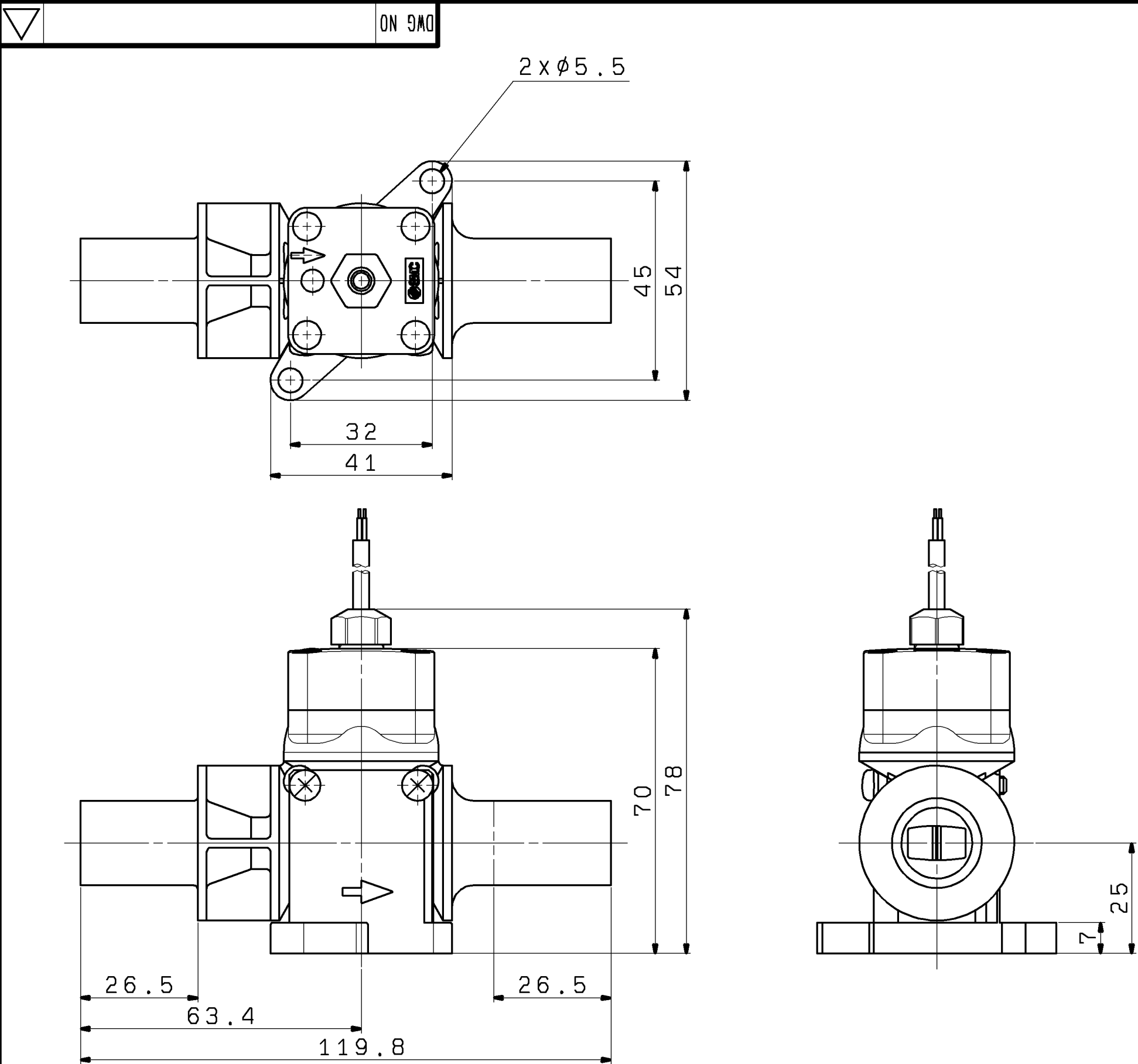


Figure2. Analog output



Electric circuits

3	SPECIFICATION CHANGE	2016-06-27	T.Uchino	LV30***-DMU0456	FINISH		
4	CHANGE THE SPECIFICATION AND DRAWING NUMBER	2013-08-26	T.Uchino	LV30***-DMR0860	PAINT		
0	INITIAL RELEASE	2013-04-19	T.Uchino		MASS		
REV	QTY	DESCRIPTION	DATE PREPARED	REV NO	PACKING		
TOLERANCES JIS B 0405					MATERIAL		
GRADE					MATERIAL SIZE		
RANGE (mm)	T	M	C				
0.5<D≤3	0.05	0.1	0.2				
3<D≤6	0.05	0.1	0.3				
6<D≤30	0.1	0.2	0.5				
30<D≤120	0.15	0.3	0.8				
120<D≤400	0.2	0.5	1.2				
400<D≤1000	0.3	0.8	2				
1000<D≤2000	0.5	1.2	3				
DRAWN	M.Fukuhara	SCALE					
DATE	2016-06-27	FREE					
DESIGNED	T.Uchino	DWG NAME					
DATE	2016-06-27	Vortex Flow Switch					
CHECKED		DWG NO	1				
DATE							
APPROVED	Y.Okita						
DATE	2016-06-28						
C LFK40-Z13-*-*(-B)					REVISION		
					2		



How to order

LFK 50-T19-**-*-B	
Fluid range	50 4 to 40L/min
Fitting	Symbol Tube O.D T19 3/4"
Option	Nil With out bracket B With bracket
Option	Nil NONE C e-con connectorx1pc. M M8 connector
Output spec	1 Voltage output 2 Current output

Specification

Model No.	LFK50-T19-1-*(-B)	LFK50-T19-2-*(-B)
Fluid	Pure water or liquid not to corrode Teflon(Viscosity 3mPa·s or less)	
Measuring fluid range	4 to 40L/min	
Operating pressure range	0 to 0.6MPa *Note1	
Fluid temperature	0 to 90°C	
Linerarity	±2%F.S. or less (25°C water)	
Repeatability	±1%F.S. or less(25°C water)	
Temp.characteristic	±5%F.S. or less(0 to 50°C, 25°C standard)	
Analog output	Output voltage:1 to 5V,Output impedance:1kΩ	Output current:4 to 20mA, Max.load impedance:300Ω for 12VDC,600Ω for 24VDC
*Refer to Figure2		
Source voltage	DC12~24V ripple ±10% or less	
Protection structure	IP65	
Connection caliber	3/4"tube	
Lead wire	vinyle cabtire code 2m φ3.4 0.23mm²	
Material of wet part	Body:newPFA, Sensor:newPFA	

Note

1.Operating pressure range is changed depending on fluid temperature. (See Figre1)

Withstand Pressure should be 1.5 times max operating pressure.

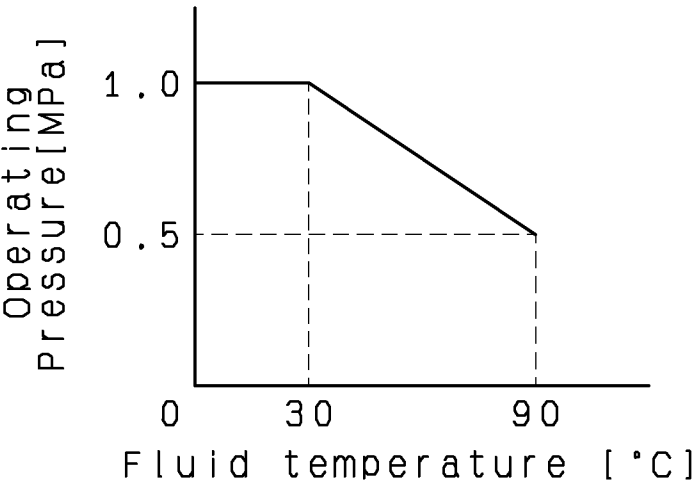


Figure1. Operating Pressure range

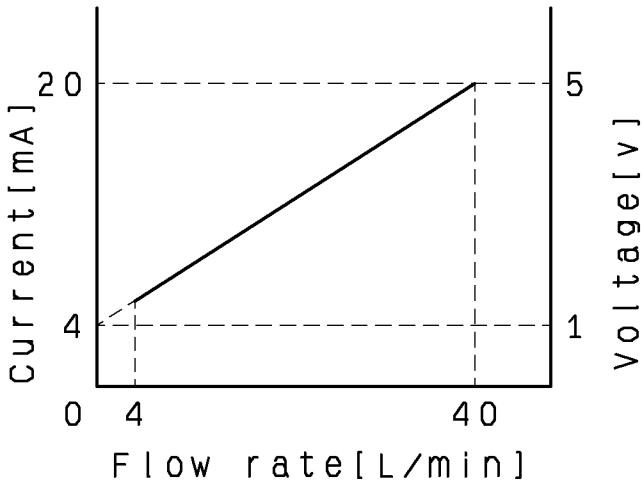
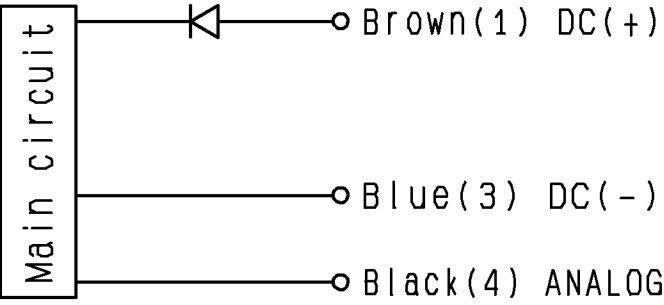
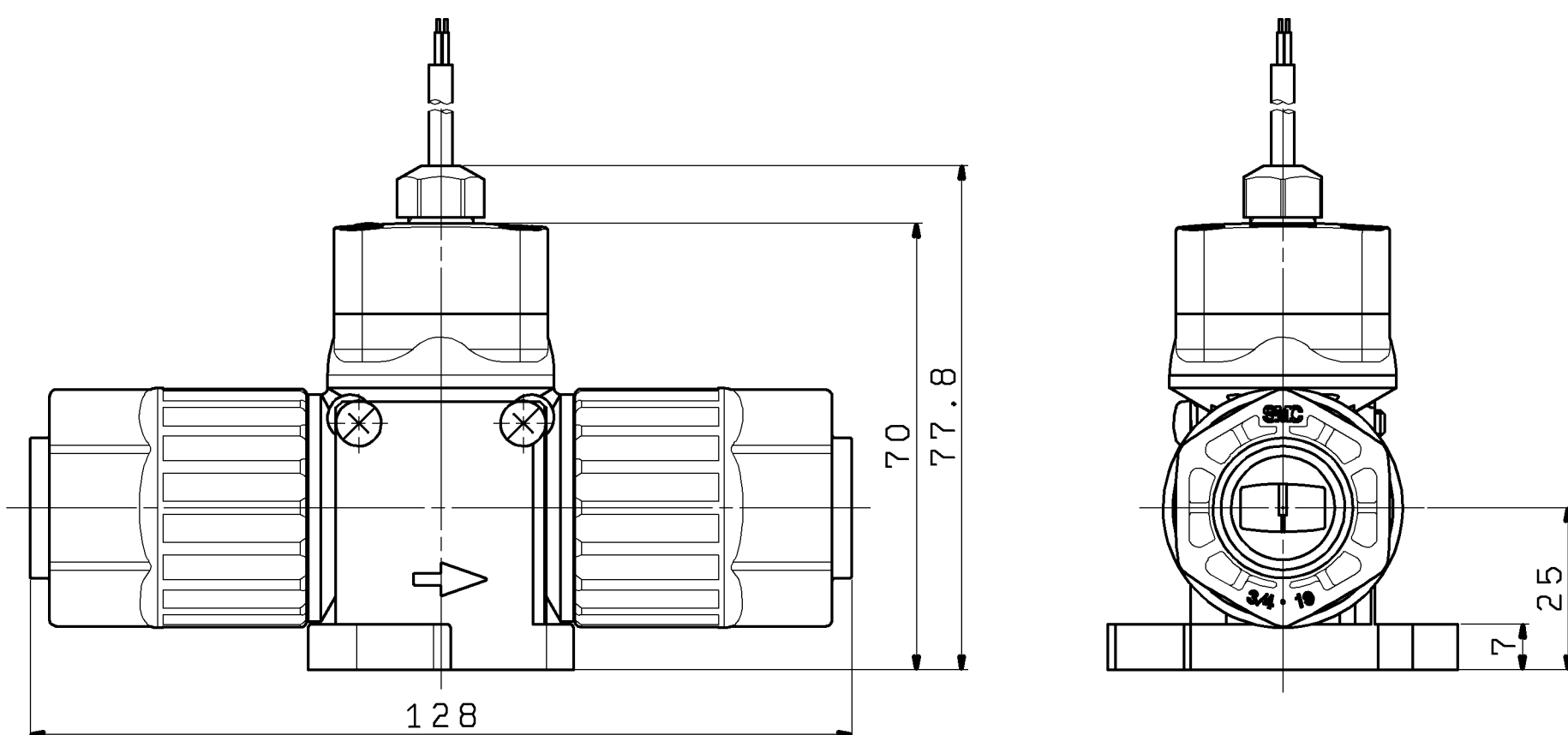


Figure2. Analog output



Electric circuits

FINISH					
PAINT					
MASS					
PACKING					
MATERIAL				MODEL	
MATERIAL SIZE				QTY	
INITIAL RELEASE				DATE PREPARED	
DESCRIPTION				REV NO	
TOLERANCES JIS B 0405				SCALE	
GRADE				FREE	
RANGE (mm)				DWG NAME	
0.5≤D≤3				Vortex Flow Switch	
3<D≤6				DWG NO	
6<D≤30				© LFK50-T19-**-*(-B)	
30<D≤120				REVISION	
120<D≤400					
400<D≤1000					
1000<D≤2000					
DRAWN					
DATE					
DESIGNED					
DATE					
CHECKED					
DATE					
APPROVED					
DATE					



1 How to order

LFK 50-Z 19-*-* -B

Fluid range: 4 to 40L/min

LQ3 Integral fitting.

Fitting

Symbol	Tube O.D
19	3/4"

- Option

Nil	With out bracket
B	With bracket

- Option

Nil	None
C	e-con connectorx1pc.
M	M8 connector

- Output spec

1	Voltage output
2	Current output

1 Specification

②	Model No.	LFK50-Z19-1-*(-B)	LFK50-Z19-2-*(-B)
	Fluid	Pure water or liquid not to corrode PFA(Viscosity 3mPa·s or less)	
	Measuring fluid range	4 to 40L/min	
	Operating pressure range	0 to 0.6MPa*Note1	
	Fluid temperature	0 to 90°C	
	Linerarity	±2%F.S. or less (25°C water)	
	Repeatability	±1%F.S. or less(25°C water)	
	Temp,characteristic	±5%F.S. or less(0 to 50°C, 25°C standard)	
②	Analog output *Refer to Figure2	Output voltage:1 to 5V,Output impedance:1kΩ	Output current:4 to 20mA, Max. load impedance:300Ω for 12VDC,600Ω for 24VDC
	Source voltage	DC12~24V ripple ±10% or less	
	Protection structure	IP65	
	Connection caliber	3/4"tube	
	Material of wet part	Body:newPFA, Sensor:newPFA	
②	Lead wire	Vinyle cabtire code 2m φ3.4 0.23mm²	

Note

1. Operating pressure range is changed depending on fluid temperature. (See Figre1)

Withstand Pressure should be 1.5 times
max operating pressure.

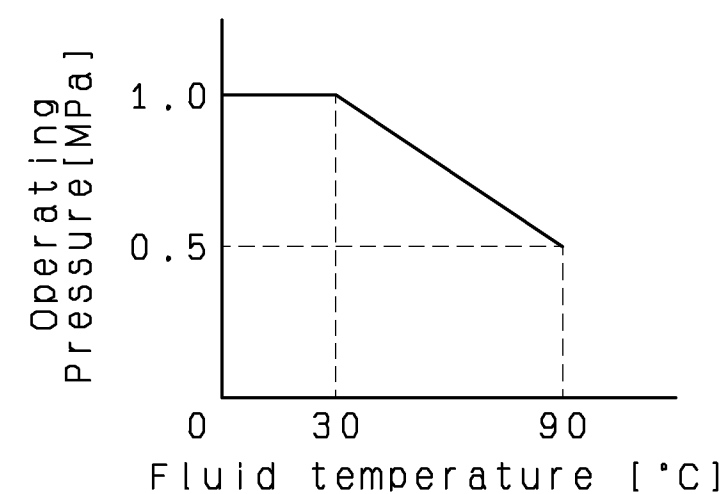


Figure1. Operating Pressure range

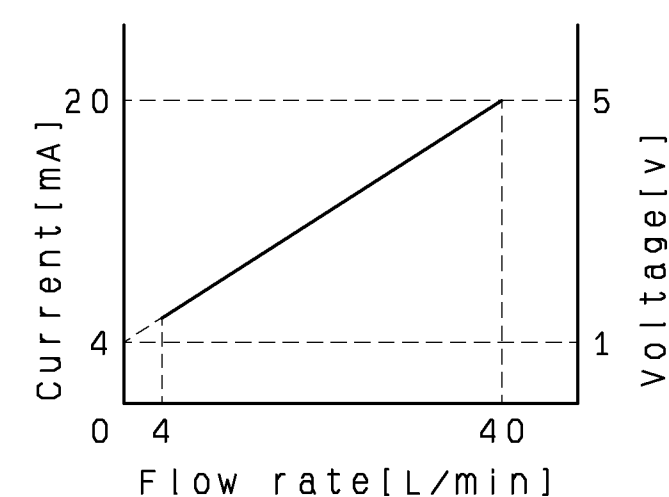
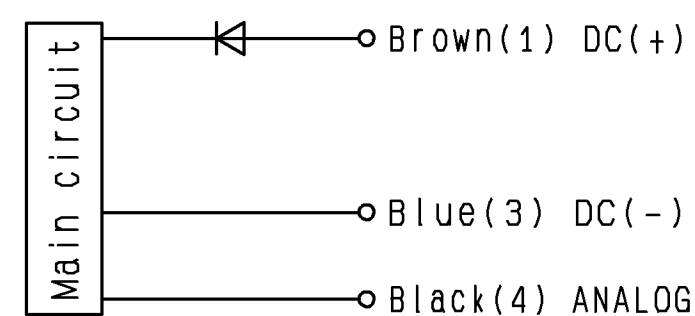


Figure2. Analog output



Electric circuits

[illegible]