惠科达

Vacorda

customer satisfaction is our eternal pursuit

Magnetic flap liquid level gauge

By air, By sea, By Express(DHL TNT FeDex UPS)

Vacorda Instruments Manufacturing CO., LTD
Address:Third East Road of Guanghua,Qingyang District,Chengdu City Sichuan,China
Tel:86-28-87362258 Fax:86-28-87362258
Website:www.vacorda.com

Working Principle:

The UHC type magnetic flap liquid level gauge is made up of measuring body,dual-colored display cylinder, ruler, top&low flange,magnetic ball and transmitter (4-20mA).Based on buoyance principle,the magnetic ball in the body of the level gauge is up or down with the liquid level changing and makes dual-colored turning to show the level of medium. Each cylinder is with two-color axisymmetric structures.The distance of two cylinders is 10mm. Red side of display cylinder indicates liquid and white side display cylinder indicates air. Besides measuring liquid level,it also could measure the interface of the two kinds of liquid.

Features:

• Simple structure, good stability, reliability and durability.
• Isolated medium, indicator, transmitter and switch
• Wide range of operating pressure: vacuum to 42Mpa
• Wide range of operating temperature: -190℃ to 425 ℃
• Independent of medium's physical and chemical states.
• SPST or SPDT available
• Optioning float level transducer or capacitive two-wire level transducer to transmit 4-20mA DC signal (or HART) and realize remote control and measurement.
• Two-wire level transducer can be with 0.56" LED digital indicator for night observation.

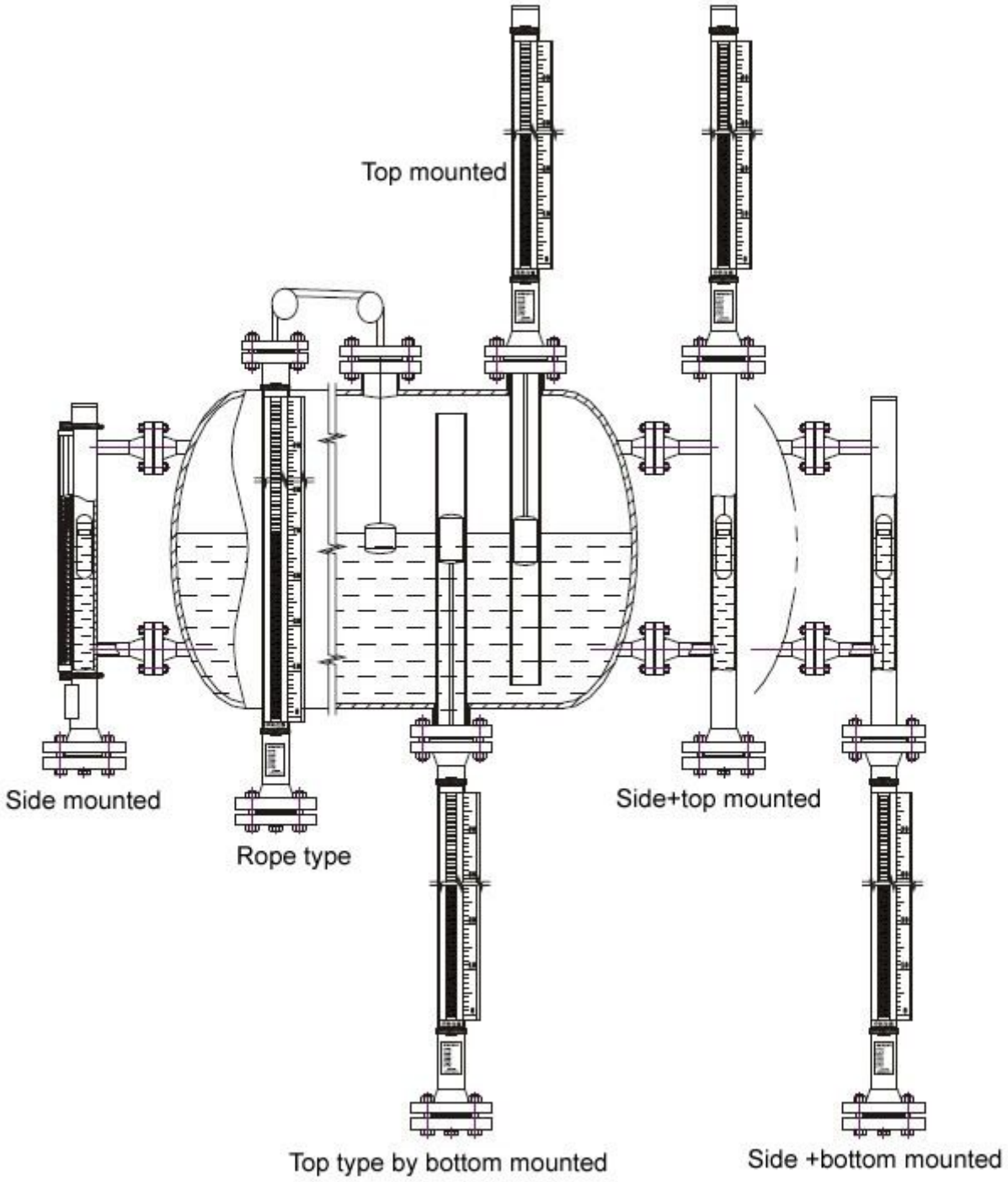
Application:

UHC series magnetic flap liquid level gauge is widely used in petroleum, chemical l industry, oil field, pharmaceuticals industry, food, wine industry etc., suitable for level measurements under the environment of high/low temp., high pressure, strong corrosion, toxicity.

Optional items:

•SPST or SPDT no standby power alarm switch could realize high-low level measurement and alarm. Alarm switch number is unlimited.
•No explosion-proof and explosion-proof 2 wire 4~20mADC signal output transmitter.
•No explosion-proof and explosion-proof high-precision continuous capacitive transmitter.
•multiple process connection.multiple type of top and bottom structure.
•4~20mADC + HART protocol.

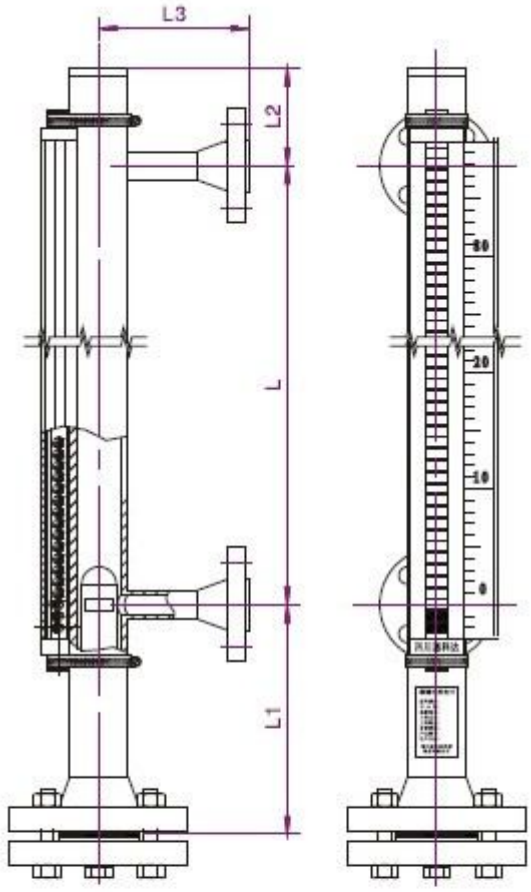
Installation:



How to order: UHC— □ □ □ □ □ □ □ / □ / □ □ □ □

1	**Installation type**					
	C-Side	D-Top	G-Rope	CL-Side+bottom	CH-Side+top	DL-Top+bottom
2	**Structure type**					
	J-basic		F-anticorrosive	R1-steam heating	R2-electric heating	
	S- low temperature frost proof		A-Liquid ammonia	Y-LPG	T-drum boiler	
3	**Wetted material**					
	P1-304	P2-316L	P3-321	P4-1Cr18Ni9Ti	P5-0Cr18Ni9	P6-00Cr17Ni14Mo2
	PV	PP	T-Titanium	F-304+PTFE	QF-Poly perfluorovinyl	
4	**Nominal pressure (x0.1MPa)**					
	Z-2.5	A-6	B-10	C-16	D-25	E-40	F-63	G-100
	H-160	O-50	P-110	Q-150	R-260	S-420	J-220	K-320
5	**Process connection (connection could customize)**					
	DN/sealing face/flange	E.g. 20/RF/14 means DN20 RF sealing face welded flange				
	Thread connection	E.g 16/G1/2" means G1/2" female thread				
	Pipe welding	17/25/4 means welded pipe, Outside diameter Φ25, thickness4mm				
6	**Operating temperature(℃)**					
	B- -190	C- -150	D- -70	E- -40	H-80	
	I-150	J-250	K-350	T-425		
7	**Medium density**					
	□ -liquid level measurement-indicate the density (g/cm^3 or kg/m^3)					
	□/□ interface measurement-indicate the density of 2 kinds of medium(g/cm3 or kg/m3)					
8	**Center-center distance**					
	□ / side mounted-indicate the center-center distance (mm)					
	□ /□ top mounted-indicate the measuring range L and insert length L1(mm)					
	□ /□ □ rope mounted-indicate L/L1/L2 distance (mm)					
9	**Top and bottom structure of chamber**					
	□ / □ top/bottom structure (see page 18)					
10	**Indicate ruler**					
	□ (see page 19)					
11	**Magnetic level transmitter**					
	□□□□/□					
12	**Type of magnetic alarm switch and number (see page)**					
	□□□□					

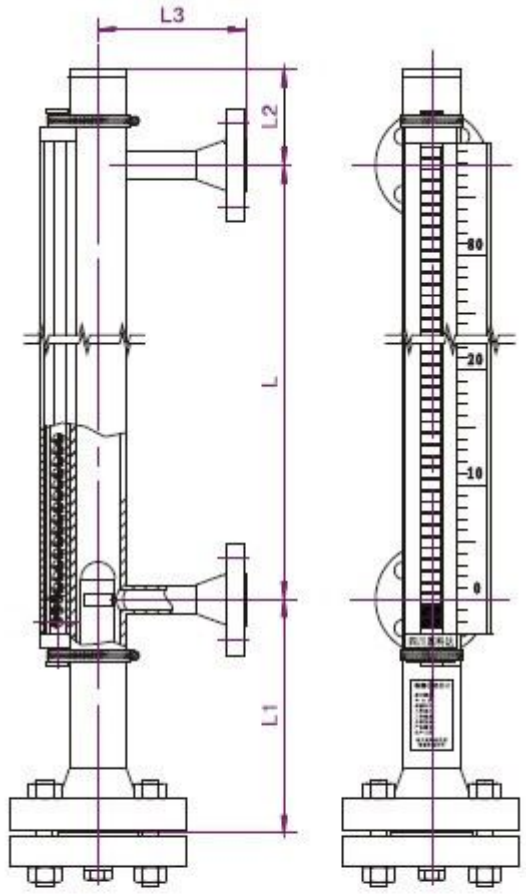
Technical parameters:



L: center-center distance
L1: length of float ball +10
L2: ≈100
L3: ≈120

center-center distance:		150~6000mm
medium density:		0.45g/cm3
nominal pressure:		PN2.5~PN40 (x 0.1MPa)
material:		304,316L,1Cr18Ni9Ti,0Cr18Ni9,00Cr17Ni14Mo2,321, titanium alloy or customize
operating temperature:		-190 ~ +425 °C
protection class:		IP65
Optional items:		
Magnetic alarm switch:		
	switching state: SPST; SPDT	
	max capacity: 20w, 60W, 120W	
	max Voltage: 230V, 250V	
	max current: 0.5A,1A, 2A	
	life time: ≤$1x10^9$	
	protection class: IP65	
	explosion-proof: ExdII CT6Gb	
Transmitter:		
	output signal: 4~20mADC	
	output load:500Ω	
	power supply:16~30VDC	
	protection class: IP65	
	explosion-proof: ExiaII CT6Ga ExdII CT6Gb	

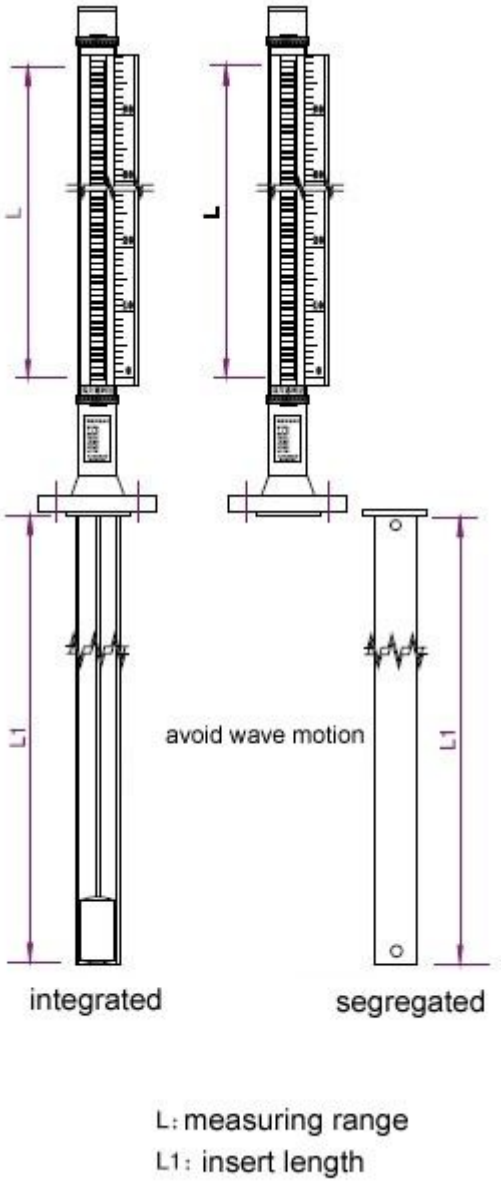
Technical parameters:



L: center-center distance
L1: length of float ball +10
L2: ≈100
L3: ≈120

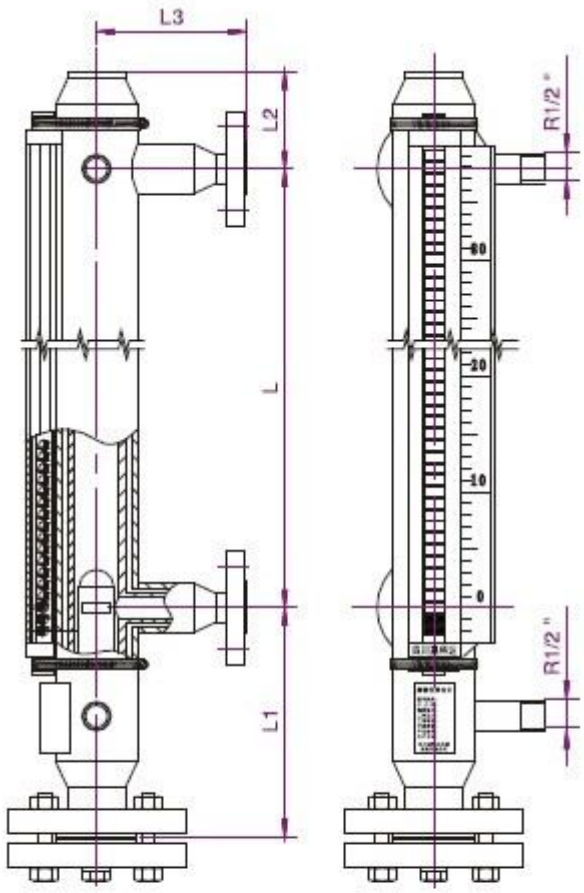
center-center distance:	150~6000mm
medium density:	0.45g/cm3
nominal pressure:	PN63~PN320 (x 0.1MPa)
material:	304,316L,1Cr18Ni9Ti,0Cr18Ni9,00Cr17Ni14Mo2,321, titanium alloy or customize
Operating temperature:	-190 ~ +425 °C
process connection:	See page 18
top structure:	Code 1 for standard see page 18
bottom structure:	Code 9 for standard see page 18
Indicate ruler:	See page 19
	A:Al &ABS flap cylinder
	B:Al flap plate
	C:PVC ABS flap cylinder
	D:PP&ABS flap cylinder
	E:AL &LED
	F:PP&LED
protection class:	IP65
Optional items:	
Magnetic alarm switch:	
	switching state: SPST; SPDT
	max capacity: 20w, 60W, 120W
	max Voltage: 230V, 250V
	max current: 0.5A,1A, 2A
	life time: ≤1x10^9
	protection class: IP65
	explosion-proof: ExdII CT6Gb
Transmitter:	
	output signal: 4~20mADC
	output load:500Ω
	power supply:16~30VDC
	protection class: IP65
	explosion-proof: ExiaII CT6Ga ExdII CT6Gb

Technical parameters:



center-center distance:	150~6000mm
medium density:	0.45g/cm3
nominal pressure:	PN2.5~PN160 (x 0.1MPa)
material:	304,316L,304+PTFE,0Cr18Ni9,00Cr17Ni14Mo2,PP(PP ≤ 1.6mpa,304+PTFE ≤ 4mpa), or customize
operating temperature:	-190 ~ +425 °C
process connection:	DN80-DN250/RF/14(according to the density of medium)
protection class:	IP65
Optional items:	
Magnetic alarm switch:	
	switching state: SPST; SPDT
	max capacity: 20w, 60W, 120W
	max Voltage: 230V, 250V
	max current: 0.5A,1A, 2A
	life time: ≤$1x10^9$
	protection class: IP65
	explosion-proof: ExdII CT6Gb
Transmitter:	
	output signal: 4~20mADC
	output load:500Ω
	power supply:16~30VDC
	protection class: IP65
	explosion-proof: ExiaII CT6Ga ExdII CT6Gb

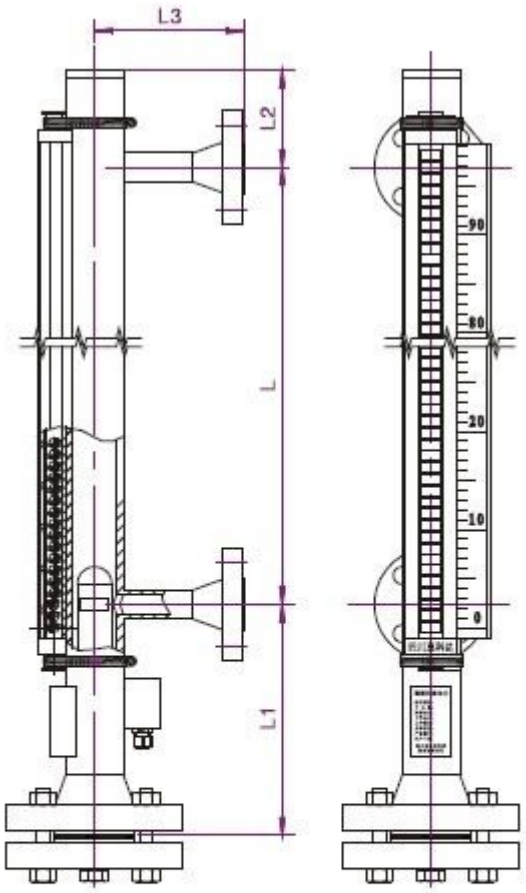
Technical parameters:



L: center-center distance
L1: length of float ball +10
L2: ≈100
L3: ≈120

center-center distance:	150~6000mm
medium density:	0.45g/cm3
nominal pressure:	PN6~PN320 (x 0.1MPa)
material:	304,316L,1Cr18Ni9Ti,0Cr18Ni9,00Cr17Ni14Mo2,321, titanium alloy or customize
operating temperature:	-190 ~ +425 °C
process connection:	See page 18
Pressure of stream:	≤ 0.6mpa （ please note when ＞0.6mpa）
Connector of heating stream:	R1/2" male thread or customize
Indicate ruler:	See page 19
	A-F types（ABS flap cylinder,AL,LED .etc）
protection class:	IP65
Optional items:	
Magnetic alarm switch:	
	switching state: SPST; SPDT
	max capacity: 20w, 60W, 120W
	max Voltage: 230V, 250V
	max current: 0.5A,1A, 2A
	life time: ≤$1x10^9$
	protection class: IP65
	explosion-proof: ExdII CT6Gb
Transmitter:	
	output signal: 4~20mADC
	output load:500Ω
	power supply:16~30VDC
	protection class: IP65
	explosion-proof: ExiaII CT6Ga ExdII CT6Gb

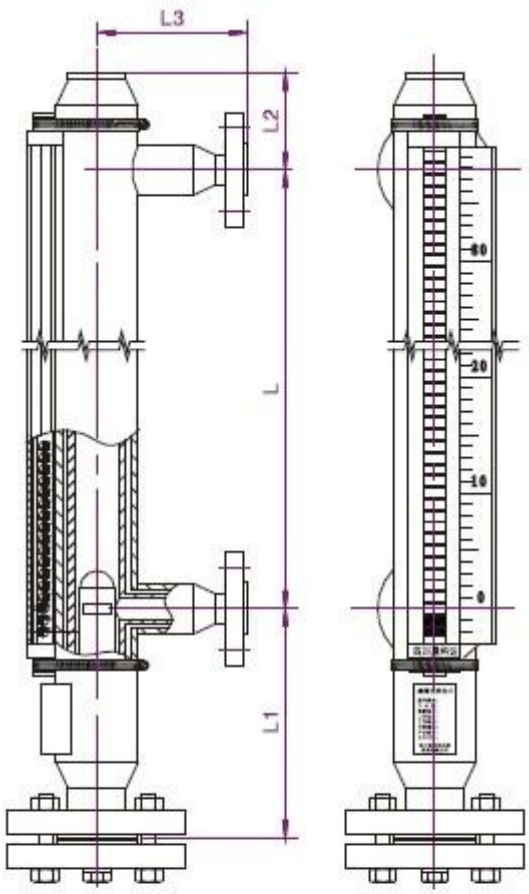
Technical parameters:



L: center-center distance
L1: length of float ball +10
L2: ≈100
L3: ≈120

center-center distance:	150~6000mm
medium density:	0.45g/cm3
nominal pressure:	PN6~PN320 (x 0.1MPa)
material:	304,316L,1Cr18Ni9Ti,0Cr18Ni9,00Cr17Ni14Mo2,321, titanium alloy or customize
operating temperature:	-190 ~ +425 °C
Equipment of electric heating	Indicate power supply of equipment,min ambient temp. and keeping temp.
protection class:	IP65
Optional items:	
Magnetic alarm switch:	
	switching state: SPST; SPDT
	max capacity: 20w, 60W, 120W
	max Voltage: 230V, 250V
	max current: 0.5A,1A, 2A
	life time: ≤$1x10^9$
	protection class: IP65
	explosion-proof: ExdII CT6Gb
Transmitter:	
	output signal: 4~20mADC
	output load:500Ω
	power supply:16~30VDC
	protection class: IP65
	explosion-proof: ExiaII CT6Ga ExdII CT6Gb

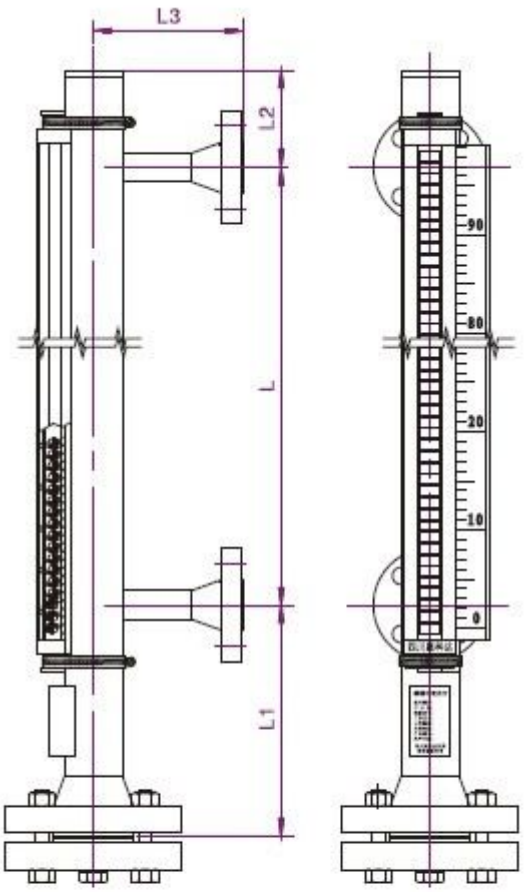
Technical parameters:



L: center-center distance
L1: length of float ball +10
L2: ≈100
L3: ≈120

center-center distance:	150~6000mm
medium density:	0.45g/cm3
nominal pressure:	PN6~PN320 (x 0.1MPa)
material:	304,316L,1Cr18Ni9Ti,0Cr18Ni9,00Cr17Ni14Mo2,321, titanium alloy or customize
operating temperature:	-190 ~ +425 °C
protection class:	IP65
Optional items:	
Magnetic alarm switch:	
	switching state: SPST; SPDT
	max capacity: 20w, 60W, 120W
	max Voltage: 230V, 250V
	max current: 0.5A,1A, 2A
	life time: ≤$1x10^9$
	protection class: IP65
	explosion-proof: ExdII CT6Gb
Transmitter:	
	output signal: 4~20mADC
	output load:500Ω
	power supply:16~30VDC
	protection class: IP65
	explosion-proof: ExiaII CT6Ga ExdII CT6Gb

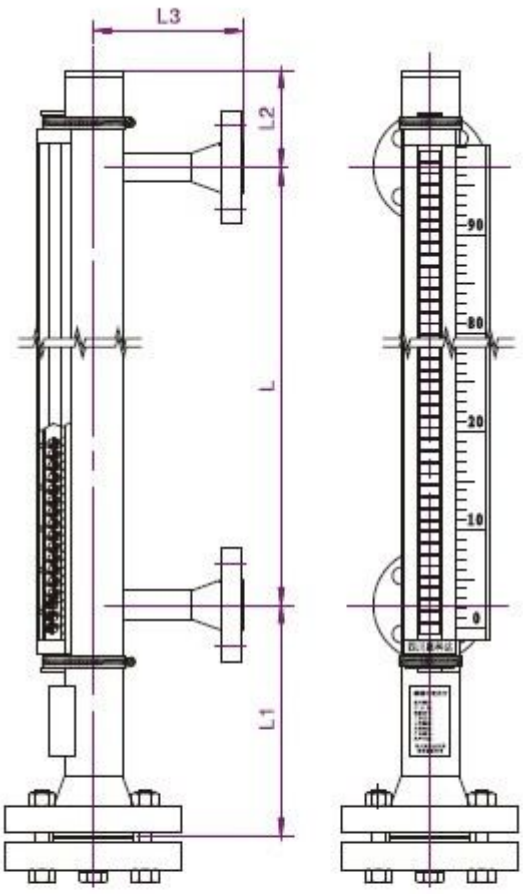
Technical parameters:



L: center-center distance
L1: length of float ball +10
L2: ≈100
L3: ≈120

center-center distance:	150~6000mm
medium density:	0.45g/cm3
nominal pressure:	PN6~PN63 (x 0.1MPa)
material:	304,316L,1Cr18Ni9Ti,0Cr18Ni9,00Cr17Ni14Mo2,321, titanium alloy or customize
operating temperature:	<80℃
process connection:	See page 18
top structure:	Code Ⅰ for standard see page 18
bottom structure:	Code 9 for standard see page 18
Indicate ruler:	See page 19
	A:Al &ABS flap cylinder
	B:Al flap plate
	C:PVC ABS flap cylinder
	D:PP&ABS flap cylinder
	E:AL &LED
	F:PP&LED
protection class:	IP65
Optional items:	
Magnetic alarm switch:	
	switching state: SPST; SPDT
	max capacity: 20w, 60W, 120W
	max Voltage: 230V, 250V
	max current: 0.5A,1A, 2A
	life time: ≤1x10^9
	protection class: IP65
	explosion-proof: ExdII CT6Gb
Transmitter:	
	output signal: 4~20mADC
	output load:500Ω
	power supply:16~30VDC
	protection class: IP65
	explosion-proof: ExiaII CT6Ga ExdII CT6Gb

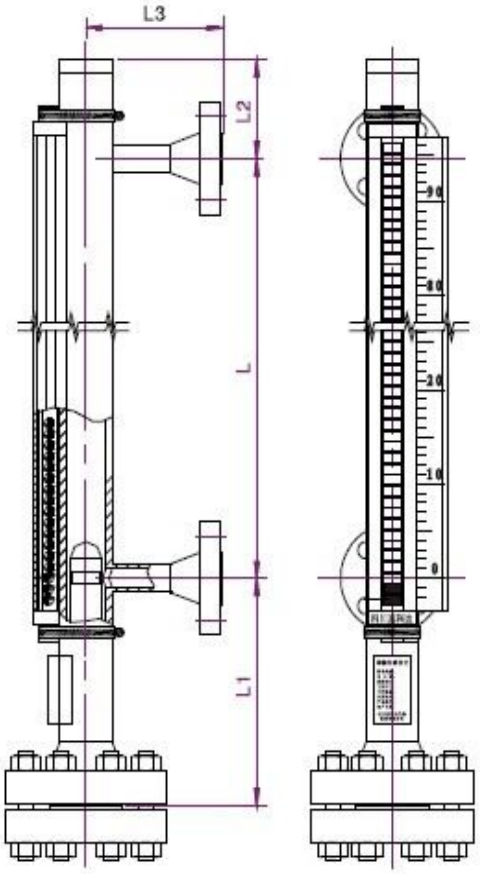
Technical parameters:



L: center-center distance
L1: length of float ball +10
L2: ≈100
L3: ≈120

center-center distance:	150~6000mm
medium density:	0.45g/cm3
nominal pressure:	PN16~PN320 (x 0.1MPa)
material:	304,316L,1Cr18Ni9Ti,0Cr18Ni9,00Cr17Ni14Mo2,321, titanium alloy or customize
operating temperature:	≤80℃
protection class:	IP65
Optional items:	
Magnetic alarm switch:	
	switching state: SPST; SPDT
	max capacity: 20w, 60W, 120W
	max Voltage: 230V, 250V
	max current: 0.5A,1A, 2A
	life time: ≤$1x10^9$
	protection class: IP65
	explosion-proof: ExdII CT6Gb
Transmitter:	
	output signal: 4~20mADC
	output load:500Ω
	power supply:16~30VDC
	protection class: IP65
	explosion-proof: ExiaII CT6Ga ExdII CT6Gb

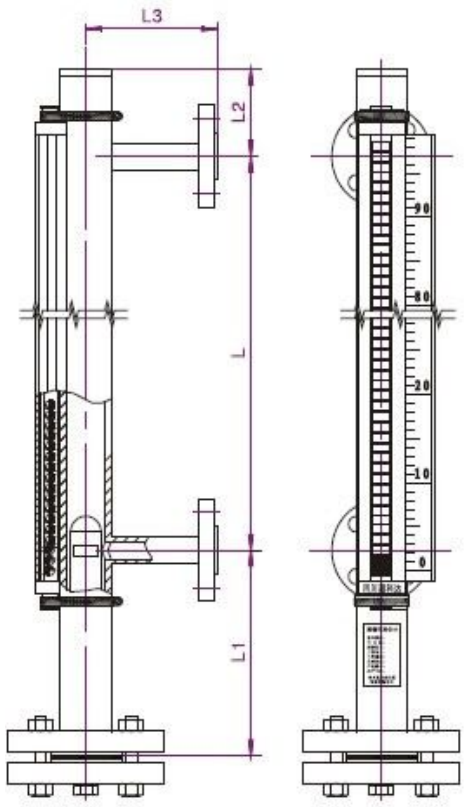
Technical parameters:



L: center-center distance
L1: length of float ball +10
L2: ≈100
L3: ≈120

center-center distance:	150~6000mm
medium density:	0.45g/cm3
nominal pressure:	PN20~PN250 (x 0.1MPa)
Applicable boiler:	Low-pressure:Water vapor pressure ≤2.0MPa
	Medium pressure:Water vapor pressure about 3.9MPa
	High-pressure:Water vapor pressure about 9.8MPa
	Super high pressure:Water vapor pressure 13.97MPa
	Subcritical:Water vapor pressure 17.3MPa
material:	304,316L,1Cr18Ni9Ti,0Cr18Ni9,00Cr17Ni14Mo2,321, titanium alloy or customize
operating temperature:	Match the differential temp. of differential pressure.
protection class:	IP65
Optional items:	
Magnetic alarm switch:	
	switching state: SPST; SPDT
	max capacity: 20w, 60W, 120W
	max Voltage: 230V, 250V
	max current: 0.5A,1A, 2A
	life time: ≤$1x10^9$
	protection class: IP65
	explosion-proof: ExdII CT6Gb
Transmitter:	
	output signal: 4~20mADC
	output load:500Ω
	power supply:16~30VDC
	protection class: IP65
	explosion-proof: ExiaII CT6Ga ExdII CT6Gb

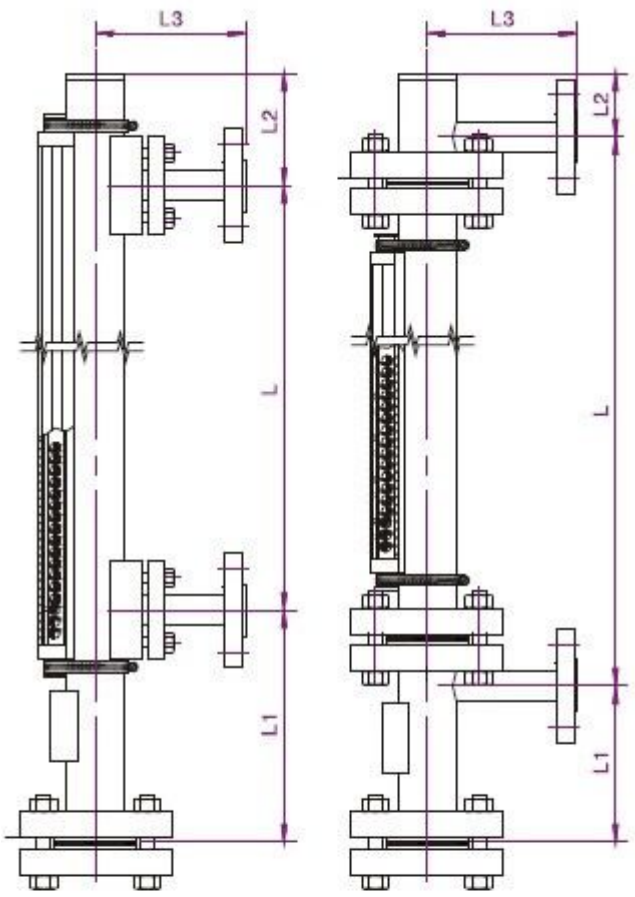
Technical parameters:



L: center-center distance
L1: length of float ball +10
L2: ≈100
L3: ≈120

center-center distance:	150~4000mm
medium density:	0.45g/cm3
nominal pressure:	PP:PN2.5~PN16(x0.1MPa) PVC:PN2.5~PN10(x0.1MPa)
material:	304,316L,1Cr18Ni9Ti,0Cr18Ni9,00Cr17Ni14Mo2,321, titanium alloy or customize
operating temperature:	PP: ≤80℃ (reach100℃ when atmospheric pressure) PVC:≤60℃
protection class:	IP65
Optional items:	
Magnetic alarm switch:	
	switching state: SPST; SPDT
	max capacity: 20w, 60W, 120W
	max Voltage: 230V, 250V
	max current: 0.5A,1A, 2A
	life time: ≤$1x10^9$
	protection class: IP65
	explosion-proof: ExdII CT6Gb
Transmitter:	
	output signal: 4~20mADC
	output load:500Ω
	power supply:16~30VDC
	protection class: IP65
	explosion-proof: ExiaII CT6Ga ExdII CT6Gb

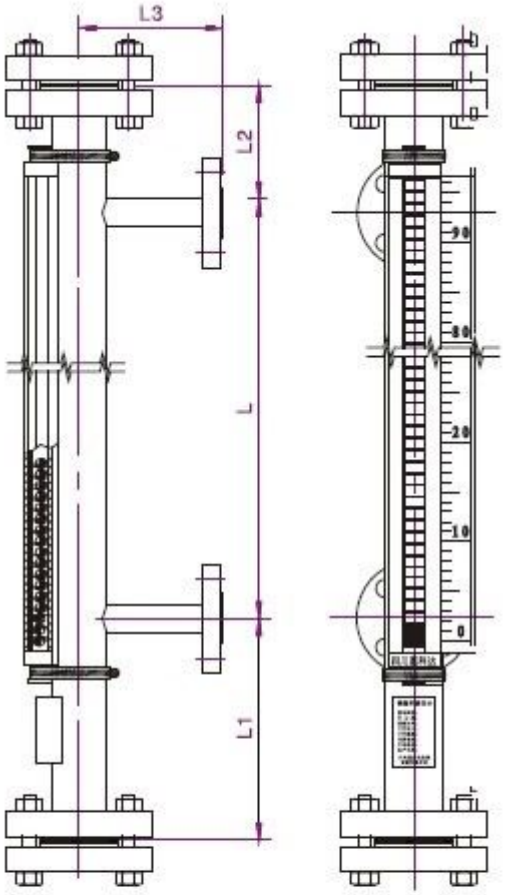
Technical parameters:



L: center-center distance
L1: length of float ball +10
L2: ≈100
L3: ≈120

center-center distance:	150~6000mm
medium density:	0.45g/cm3
nominal pressure:	PN2.5~PN40 (x 0.1MPa)
material:	304,0Cr18Ni9+PTFE,
operating temperature:	-190 ~ +200°C
process connection:	DN××/RF/14
bottom structure:	Blind flange（please note if need PTFE liner valve）
protection class:	IP65
Optional items:	
Magnetic alarm switch:	
	switching state: SPST; SPDT
	max capacity: 20w, 60W, 120W
	max Voltage: 230V, 250V
	max current: 0.5A,1A, 2A
	life time: ≤$1x10^9$
	protection class: IP65
	explosion-proof: ExdII CT6Gb
Transmitter:	
	output signal: 4~20mADC
	output load:500Ω
	power supply:16~30VDC
	protection class: IP65
	explosion-proof: ExiaII CT6Ga ExdII CT6Gb

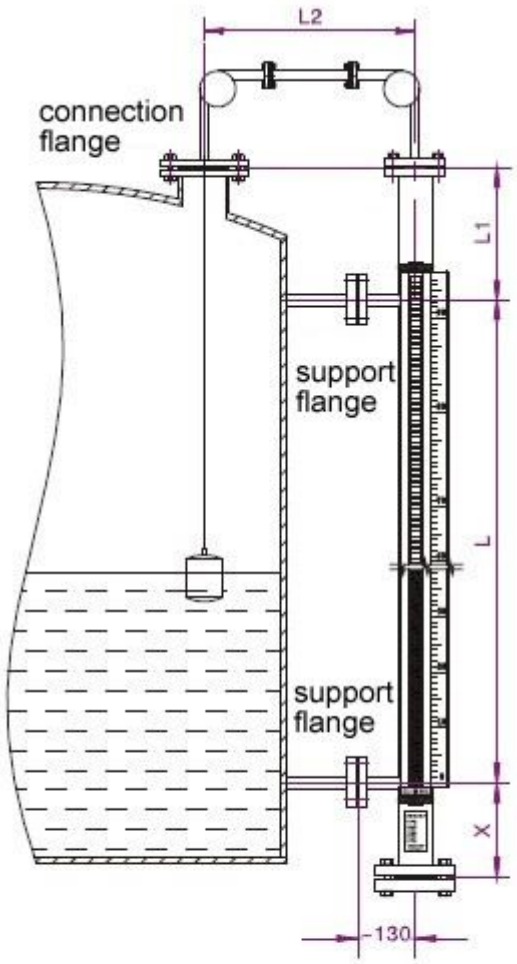
Technical parameters:



L: center-center distance
L1: length of float ball +10
L2: ≈100
L3: ≈120

center-center distance:	150~4000mm
medium density:	0.45g/cm3
nominal pressure:	PN2.5~PN40 (x 0.1MPa)
material:	304
operating temperature:	-190 ~ +180 °C
process connection:	DN20/RF/14(customize)
top structure:	DN50 blind flange
top structure:	DN50 blind flange
Indicate ruler:	See page 19
	A:Al &ABS flap cylinder
	B:Al flap plate
	C:PVC ABS flap cylinder
	D:PP&ABS flap cylinder
	E:AL &LED
	F:PP&LED
protection class:	IP65
Optional items:	
Magnetic alarm switch:	
	switching state: SPST; SPDT
	max capacity: 20w, 60W, 120W
	max Voltage: 230V, 250V
	max current: 0.5A,1A, 2A
	life time: ≤1x10^9
	protection class: IP65
	explosion-proof: ExdII CT6Gb
Transmitter:	
	output signal: 4~20mADC
	output load:500Ω
	power supply:16~30VDC
	protection class: IP65
	explosion-proof: ExiaII CT6Ga ExdII CT6Gb

Technical parameters:

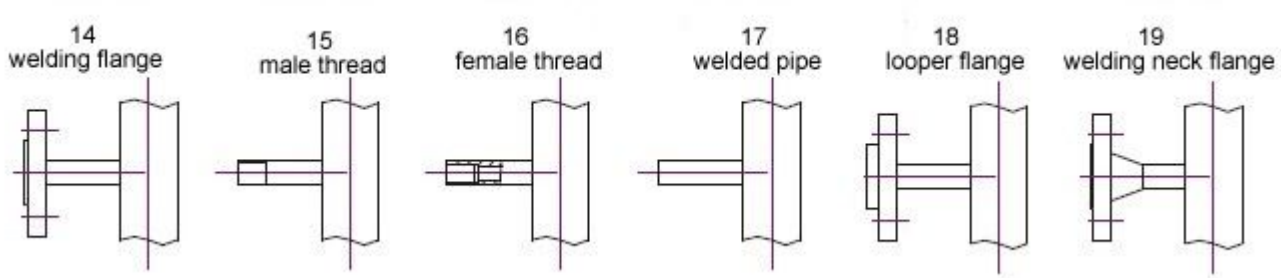


L: center-center distance
X: length of float ball
L1: customize
L2: customize

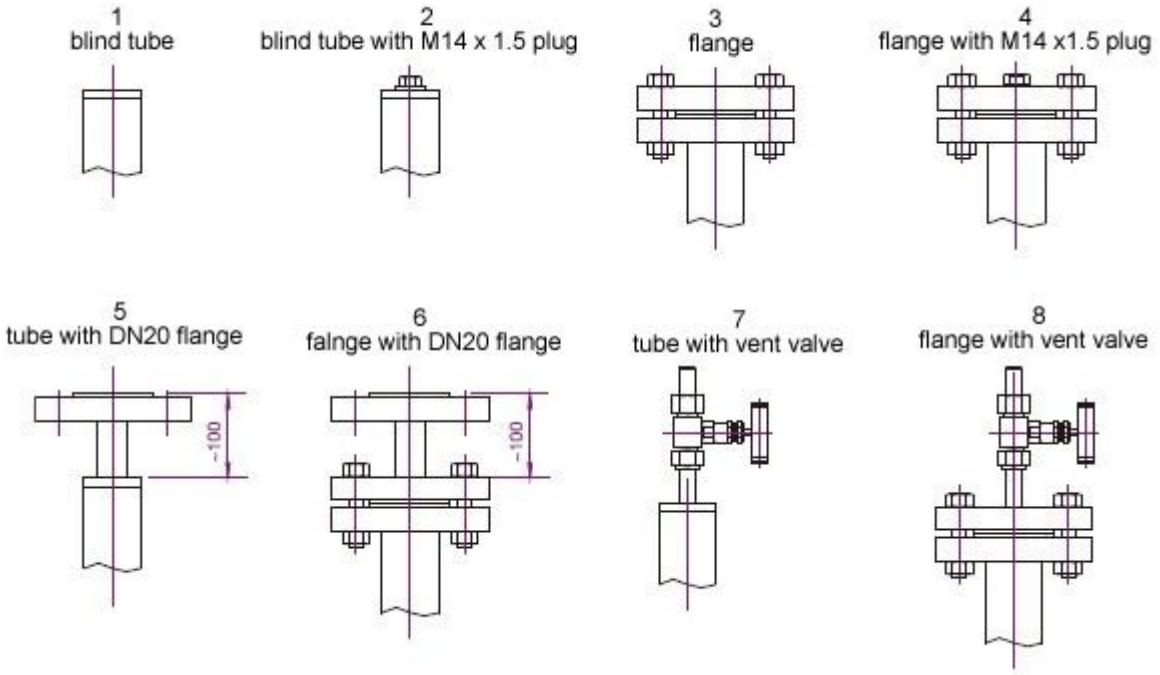
center-center distance:	150~6000mm
medium density:	0.45g/cm3
nominal pressure:	PN2.5~PN25 (x 0.1MPa)
material:	304,316L,1Cr18Ni9Ti,0Cr18Ni9,00Cr17Ni14Mo2
operating temperature:	-190 ~ +425 °C
Support flange:	DN20/RF/14 PN10
bottom structure:	see page 18
Indicate ruler:	See page 19
	A:Al &ABS flap cylinder
	B:Al flap plate
	C:PVC ABS flap cylinder
	D:PP&ABS flap cylinder
	E:AL &LED
	F:PP&LED
protection class:	IP65
Optional items:	
Magnetic alarm switch:	
	switching state: SPST; SPDT
	max capacity: 20w, 60W, 120W
	max Voltage: 230V, 250V
	max current: 0.5A,1A, 2A
	life time: ≤1x10^9
	protection class: IP65
	explosion-proof: ExdII CT6Gb
Transmitter:	
	output signal: 4~20mADC
	output load:500Ω
	power supply:16~30VDC
	protection class: IP65
	explosion-proof: ExiaII CT6Ga ExdII CT6Gb

Process connection, top structure and bottom structure

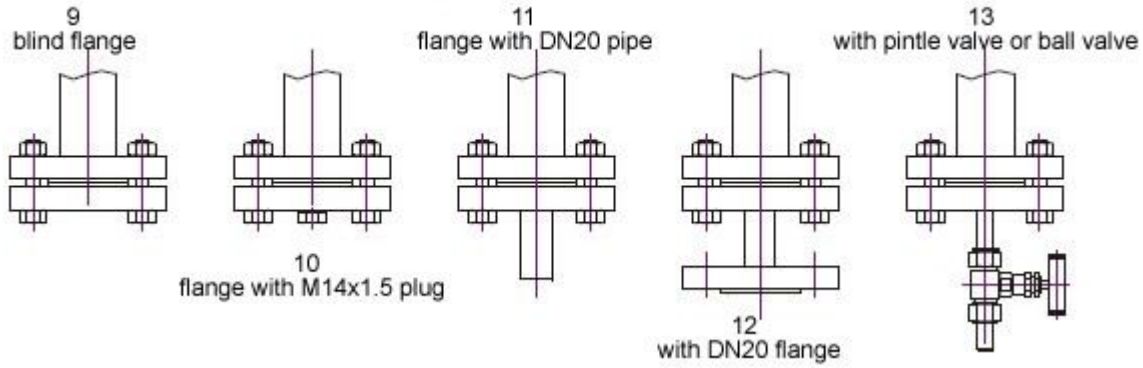
Code of Process Connection



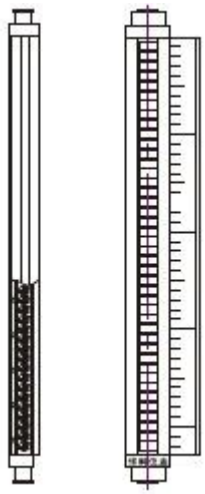
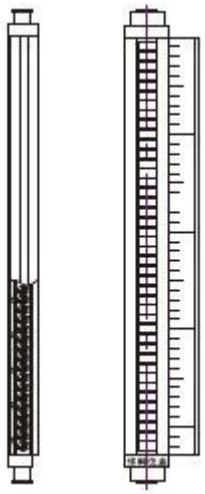
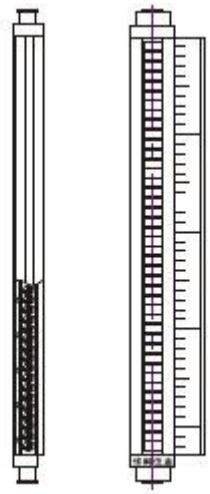
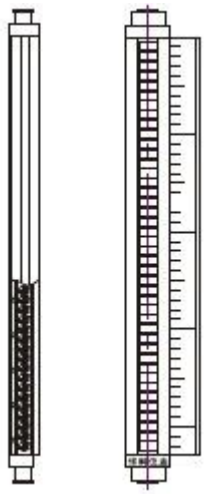
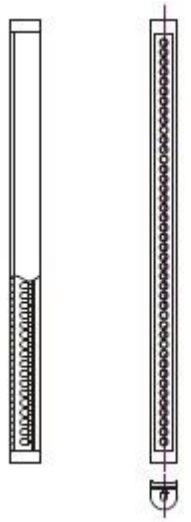
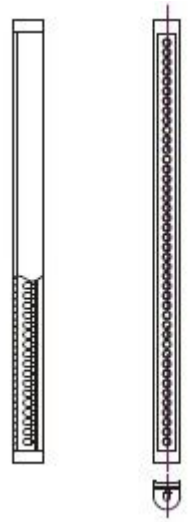
Code of Top Structure of Chamber



Code of Bottom Structure of Chamber



Magnetic flap cylinder, flap plate, LED indicator

Technical parameters:			
Shelf	Anodizing aluminum	Anodizing aluminum	PVC
Type of flap	Magnetic flap cylinder	Magnetic flap plate	Magnetic flap cylinder
Material of flap	Red & white ABS	Red & white ABS	Red & white ABS
Resolution	10mm	10mm	10mm
Covering	High intensity glass	glass	High intensity glass
Indicate ruler	AL or steel less	AL or steel less	AL or steel less
Operating temperature	180℃	350℃	60℃
Code	A	B	C
Technical parameters:			
Shelf	Polycarbonate	Polycarbonate	Polycarbonate
Type of flap	Magnetic flap cylinder	Diode lattice	Diode lattice
Material of flap	Red & white ABS	Red & green LED	Red & green LED
Resolution	10mm	10mm	10mm
Indicate ruler	N/A	N/A	N/A
Operating temperature	180℃	350℃	60℃
Power supply		24VDC	220VAC
Code	D	E	F

Optional item of liquid level transmitter

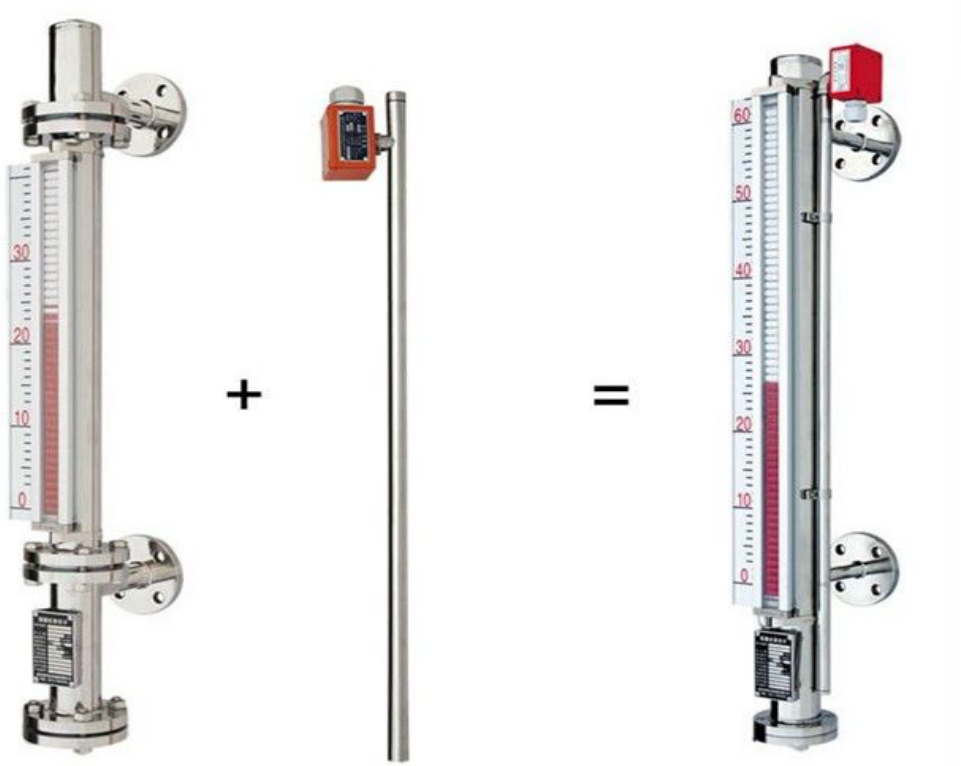
Working principle:

Liquid level transmitter has tow types,magnetic level transmitter and capacitive level transmitter.

Magnetic liquid level transmitter: Magnetic level gauge sensor is made of imported reed switch,precise resistance and amplification transformation circuit. when magnetic float ball where in the tube of gauge movement and affect the reed switch, reed switch closed and make three line potentiometer output resistance value. As the liquid level increases,the resistance value could goes up too.Amplification transformation circuit change the liquid level's variability into 4-20 m ADC signal output.

Capacitive liquid level transmitter:

Capacitance liquid level transmitter is main composed of electrode,The capacitance conversion processing circuit.The electrode in the small tube where beside the magnetic flap gauge and measure the level and give the signal to capacitance conversion processing circuit.The capacitance conversion processing circuit change the signal of level into 4~20mADC.



Magnetic flap liquid level gauge without remote

CGQ type magnetic liquid level transmitter

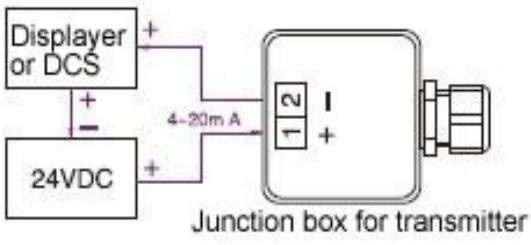
Magnetic flap liquid level gauge with remote (4~20mADC)

How to order:□ □ □ □ / □

Code1	Code of Resolution	
	B10:10mm (common)	B15:15mm
	B20:20mm	B5:5mm
	C:Capacitive sensors	
Code2	Code of Explosion-proof	
	No mark: N/A	i:Intrinsically Safe ExiaII CT6Ga
	e:ExdII CT6Gb	
Code3	Code of displayer	
	No mark: N/A	M3:LED +HART
	M2:LED displayer	M4:0.56"LED displayer
Code4	Code of measuring (mm)	
	volume	
Code5	Code of ambient temperature	
	volume	

Note: 1.magnetic flap liquid level with level transmitter could ignore code4 and code5
2.purchase level transmitter alone,could mark code4 and code5
3. We offer customize

Electrical connections:



2 wire 4~20mADC

Accuracy class:

Accuracy class: resolution x 100 x%
Measuring range(mm)

Note:as the same resolution, the measuring range more wide,the accuracy will be more high.
For example: resolution:10mm, measuring range:1000mm, accuracy:1%
resolution:10mm, measuring range:2000mm, accuracy:2%

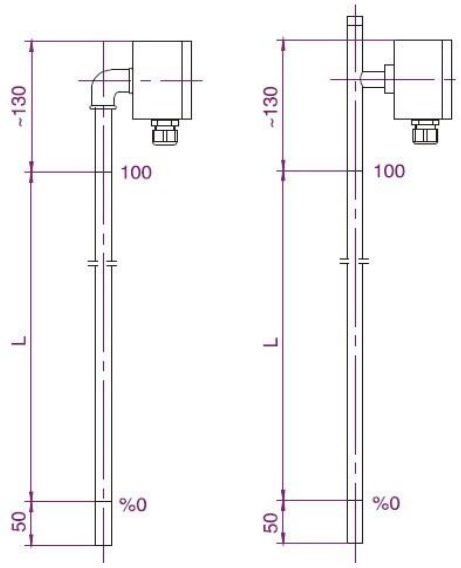
Technical parameter：

Magnetic liquid level transmitter	
Output signal:	2 wire 4~20mADC
Resolution：	10mm(common), 5mm, 15mm, 20mm
Loading resistance:	500Ω (when 24V power supply without digital displayer)
Transmitting:	＞1000m
Ambient temperature:	≤80℃; ≤150℃（high temp.）; ≤350℃(super temp.)
Power supply:	18~28VDC
Outer tube of transmitter:	Stainless steel seamless pipe
Shell of transmitter:	Aluminum surface spray
Explosion-proof:	ExiaIICT6Ga; ExdIICT6Gb
Protection class:	IP65
Capacitive liquid level transmitter	
Output signal:	2 wire 4~20mADC
Accuracy class:	0.5, 1.0, 1.5
Loading resistance:	500Ω (when 24V power supply without digital displayer)
Transmitting:	＞1000m
Operating temperature:	-150℃~220℃
Operating pressure:	-0.1~32MPa
Power supply:	24VDC
Tube of transmitter:	DN20 or DN25
Shell of transmitter:	Aluminum surface spray
Explosion-proof:	ExdIICT6Gb
Protection class:	IP65

No explosion-proof

magnetic liquid level transmitter without 0.56" LED displayer

Aluminum alloy,PP water proof junction box



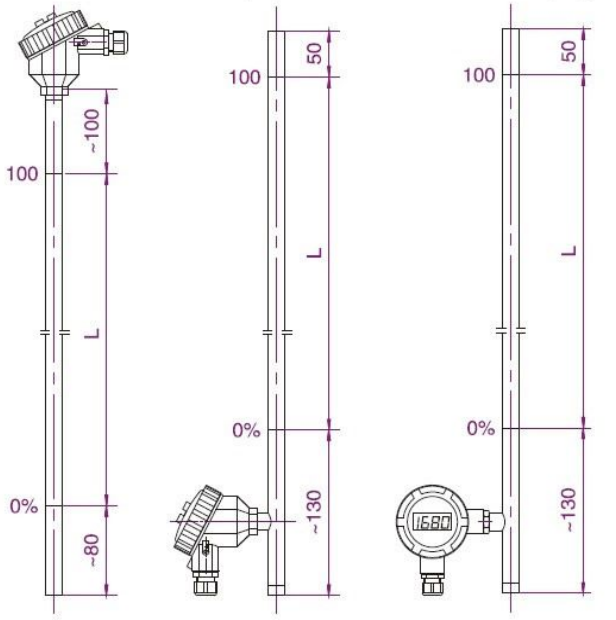
M20 x 1.5 Nylon Cable Gland(cable diameter 6~14mm)

Exd ‖ CT6Gb

magnetic liquid level transmitter with aluminum alloy flameproof junction box

without 0.56" LED displayer

0.56" LED displayer

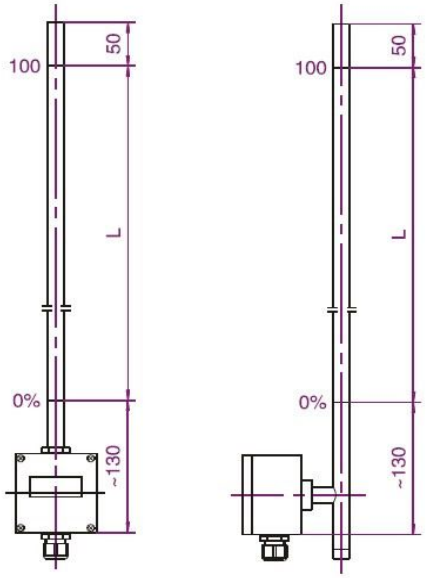


Electrical connection:M20 x 1.5

Intrinsically Safe:Exiall CT6Ga

Magnetic liquid level transmitter with 0.56" LED diaplayer

Aluminum alloy water proof junction box

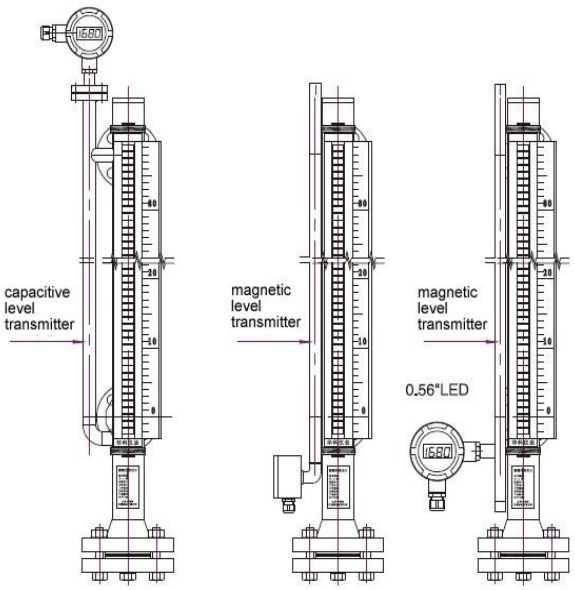


M20 x 1.5 Nylon Cable Gland(cable diameter 6~14mm)

Installation

capacitive level transmitter

magnetic level transmitter

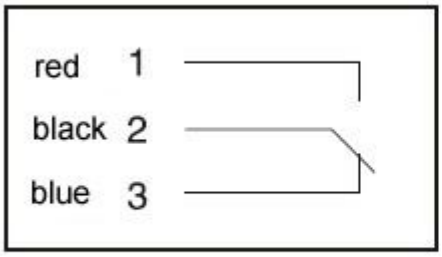


Optional item of magnetic alarm switch

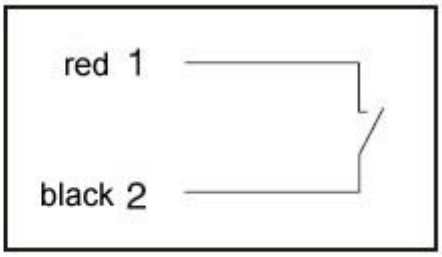
Working principle:

Magnetic alarm switch is main composed of good quality reed switch. There are SPDT and SPST kinds switch sates. When the float ball pass over the center of switch, the switch contact change to another sate and keep. When the the float ball return and pass over the center of switch, the switch contact restored to the original sates and keep.No other power supply.Supporting the use of magnetic flap liquid level gauge.

Magnetic switch contacts type:



one SPDT



one SPST

When float ball pass over the center of switch,the switch sated change

How to order: □ □ □ □

Code1	Code	Contact state	Voltage	Electric current	Power
Transformational	A	One SPDT	250VAC	0.5A	20W
Transformational	B	One SPDT	250VAC	1.0A	60W
Normally open	C	One SPST	250VAC	2.0A	200W
Normally closed	D	One SPST	250VAC	2.0A	200W
Normally open	E	One SPST	250VAC	0.5A	20W
Normally closed	F	One SPST	250VAC	0.5A	20W
Transformational	G	One SPDT	250VAC	3A	500VA
Code2	Ambient temperature				
	L:≤80℃ H：≤150℃				
Code3	Explosion-proof				
	No mark:N/A; e:ExdII CT6Gb				
Code4	NO. Of switch				
	volume				

Technical parameters:

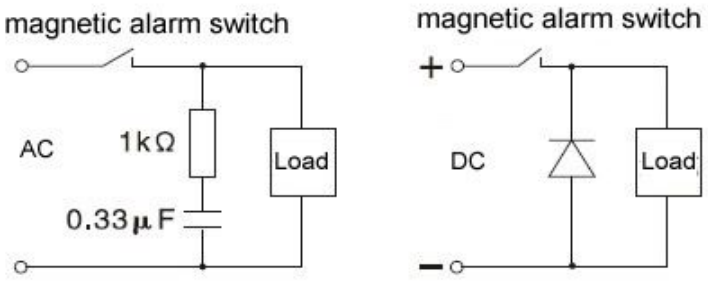
Switch type:	reed
Switch state:	Bistable (no standby power supply)
Contact state:	One SPDT or one SPST
Max switch voltage:	230VAC; 250VAC
Max switch electric current:	0.5A, 1.0A, 2.0A
Max switch power:	20W, 60W, 200W
life time:	≤1x109
tolerance:	±8±2 mm
Installation:	Slideway or hoop,switch position is changeable
Cable:	3x0.5mm^2 ; length0.3M
Shell:	No explosion-proof:Aluminum surface spray
	explosion-proof:steel less or aluminum
Electrical connection:	No explosion-proof:length of cable 0.3m
	explosion-proof:M20 x 1.5 female thread or NPT 1/2" female thread
Protection class:	IP65
explosion-proof:	ExdII CT6Gb

Definition of magnetic float ball switch sates

There are normally open and normally closed contacts state of magnetic switch.

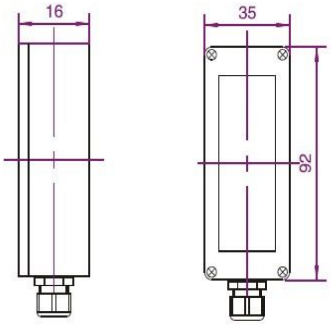
1. Normally open－switch contacts close when the float ball pass over the normal level.
2. Normally closed(SPST): －switch turn off when the float ball rises with liquid level and pass the control point
3. Transformation（SPDT）－switch turn over when the float ball rises with liquid level and pass the control point

Protection for magnetic alarm switch contact:



Magnetic alarm switch (Non-explosion proof)

Aluminum alloy shell

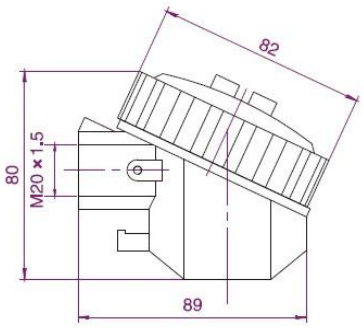


cable for 0.3m free

code:A,B,C,D,E,F

Magnetic alarm switch (Flameproof)

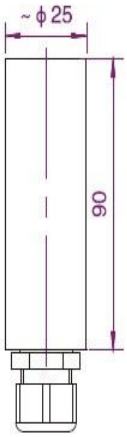
Aluminum alloy shell



Electrical connection:M20*1.5

code:A,E,F

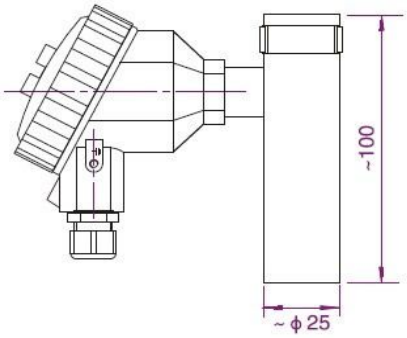
Steel less shell



cable for 0.3m free

code:A,B,C,D,E,F

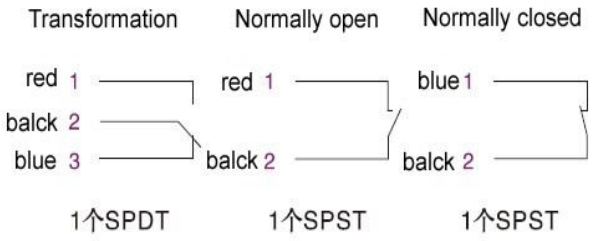
Steel les shell with AL Junction box



Electrical connection:M20*1.5（NPT1/2" should note）

code:A,B,C,D,E,F

Electrical connection(Non-explosion proof)



Electrical connection(Flameproof)