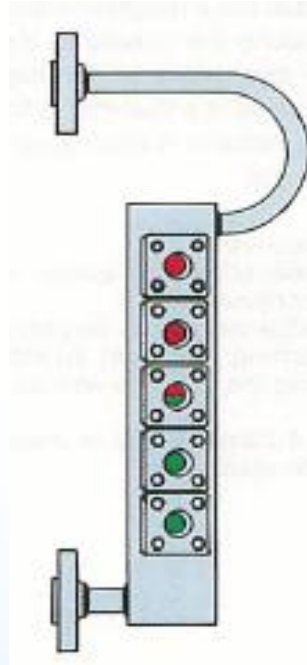


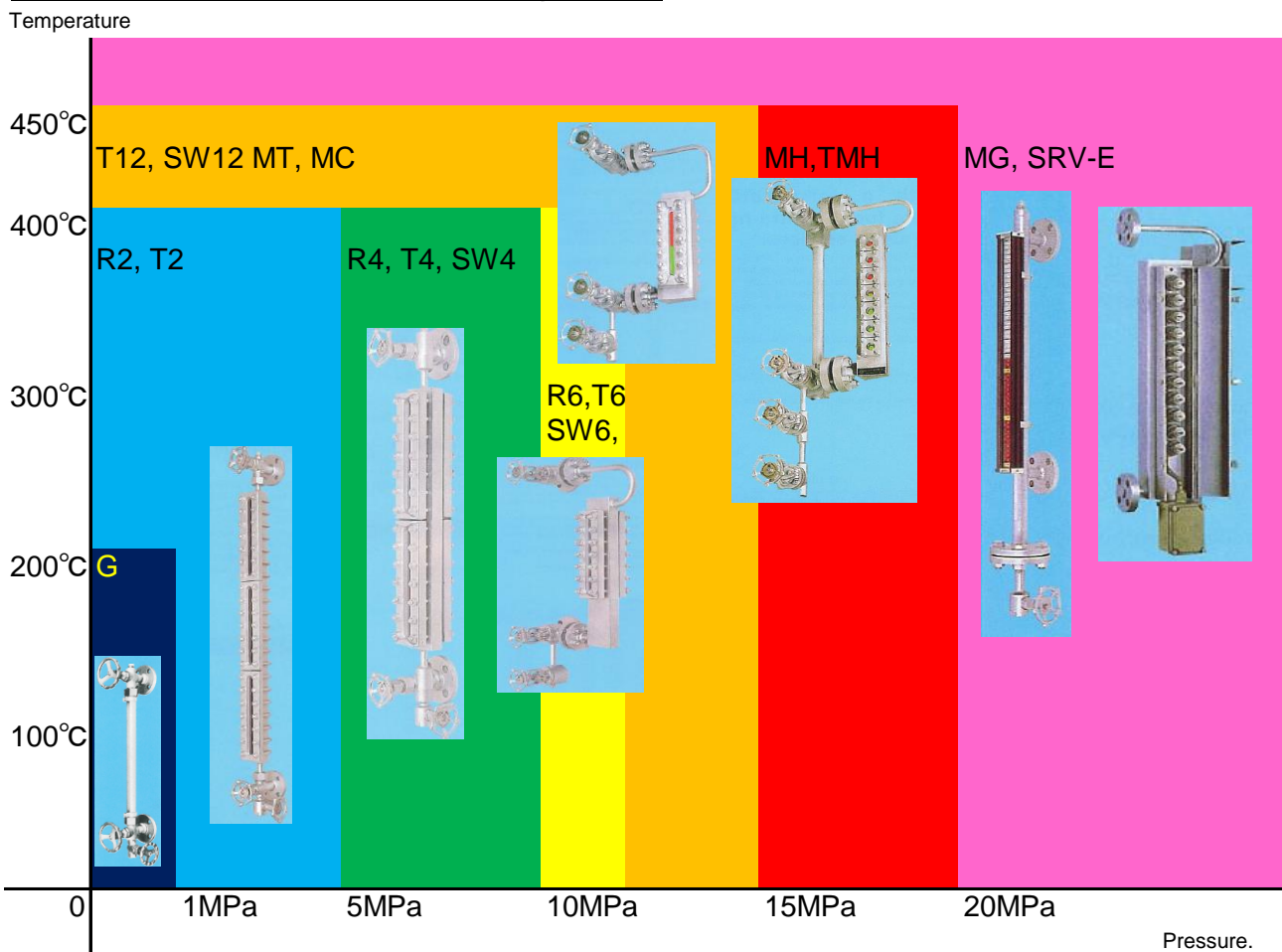
**BBK**

**BBK Technologies**

**LIQUID / WATER**  
**LEVEL GAUGES**  
**GENERAL PRODUCTS GUIDE**



## Selection Chart for Level Gauge type



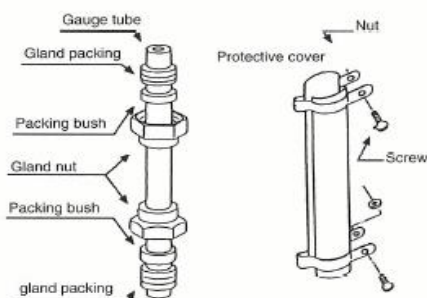
## Selection Table for Level Gauge type

Type		Low Press	Mid. Press	High Press.	Ex-High Press.
Direct Reading	Tubular	G			
	Reflex	R2	R4, R6	S10*	S40**
	Transparent	T2	T4, T6	T12, MT	TMH
	Two-color	SW4, SW6		SW12, MC	MH
Magnet		← MG1~MG50 →			
Electrode		← SRV-E →			

\*Under 200 deg C Services. \*\*Under 180 deg C Services

### DIRECT VIEWING

## Tubular type Level Gauge (Symbol: G)



Standard Max. Ope. Press./Temp. Table

	Press.	Temp.	Mat'l	Glass#
G	1.0	200	Hard Glass, Acryl	φ16、φ19

(Mpa) (°C)

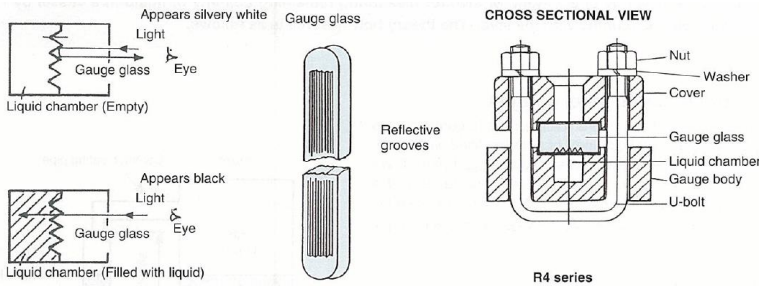
\*Simple Structure; Glass Tube, Gauge Valves, Protector and etc.

\*Easy install and operation

\*Long Visible Length.

DIRECT VIEWING

**Reflex type Level Gauge (Symbol: R / S)**



Max. Ope. Press./Temp. Table (sample)

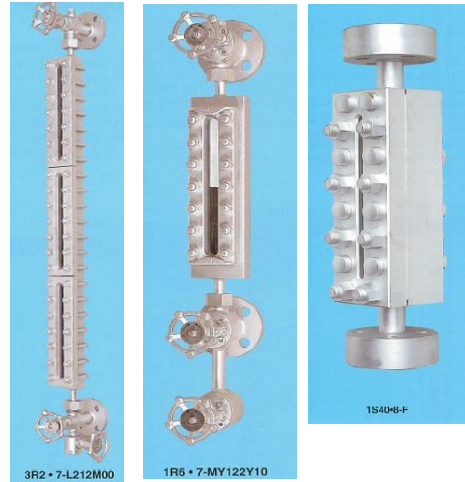
	Press.	Temp.	Mat'l	Glass#
R2	6.3	400	C.S/S.S	#4
R4	10.3	400	C.S/S.S	#4
R6	12.5	400	C.S/S.S	#4
S10	19.6	200	C.S.	#6
S40	41.3	180	C.S.	#6

(Mpa) (°C)

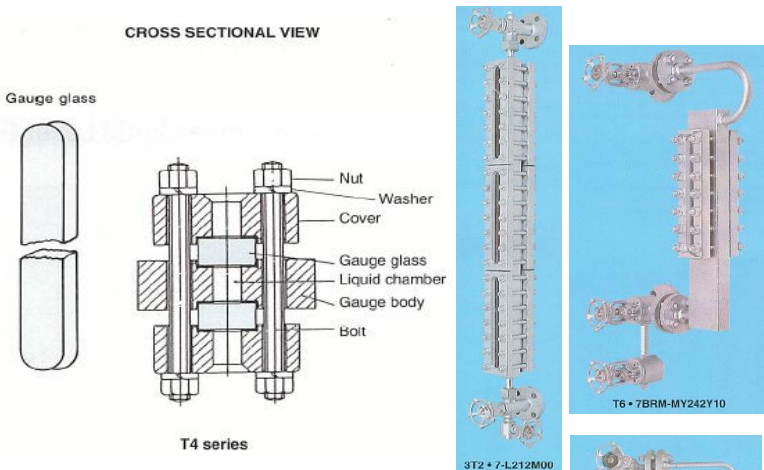
\*Using a Long thick flat gauge glass has groove on one side, the gaseous part of the gauge appears silver and liquid part appears black.

\*Applicable for Chemical, Small Boiler, Power Plant and etc.

\* S10 is applicable under 200 deg C, S40 is applicable under 180 deg C and they are not applicable for corrosive fluid.



**Transparent type Level Gauge (Symbol: T)**



Max. Ope. Press./Temp. Table

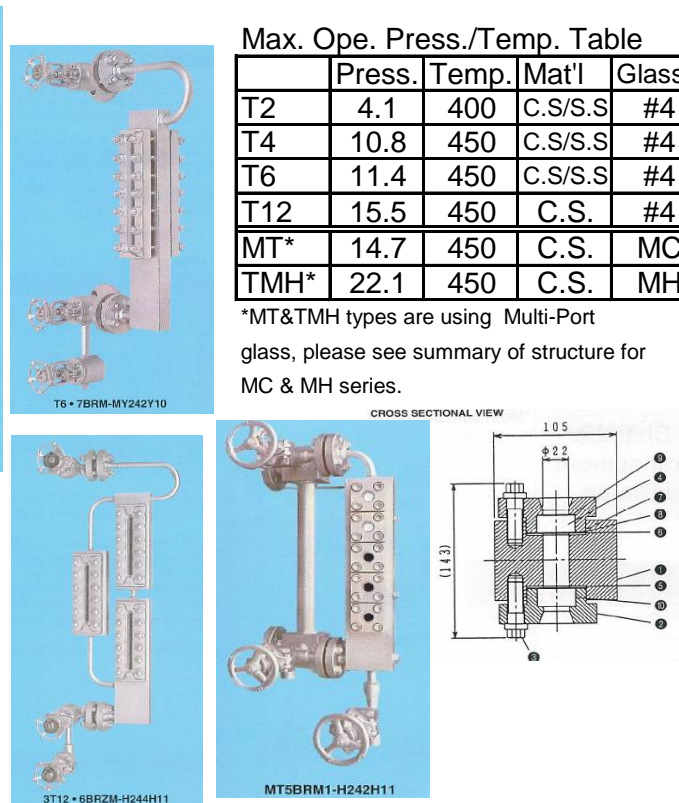
	Press.	Temp.	Mat'l	Glass#
T2	4.1	400	C.S/S.S	#4
T4	10.8	450	C.S/S.S	#4
T6	11.4	450	C.S/S.S	#4
T12	15.5	450	C.S.	#4
MT*	14.7	450	C.S.	MC
TMH*	22.1	450	C.S.	MH

\*MT&TMH types are using Multi-Port glass, please see summary of structure for MC & MH series.

\*Putting Two flat and thick gauge glass parallel, you can see liquid level transparently.

\* Using Mica Plate or Protective sheet, applicable for high temperature steam service or corrosive fluid service.

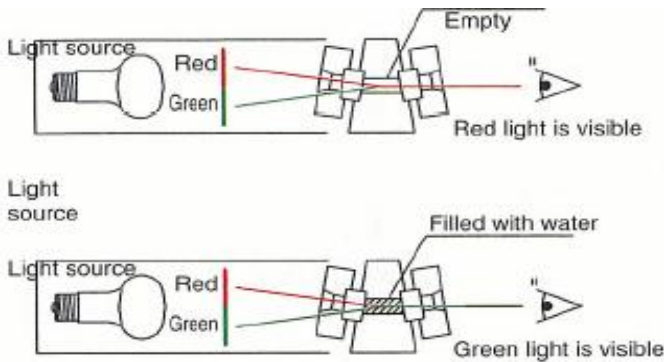
\*Applicable for watching the interface between two no-mixing liquid.



\*\*Option: Mica Gaskets, Illuminator. Non-Frost Plate and Jacket.

DIRECT VIEWING

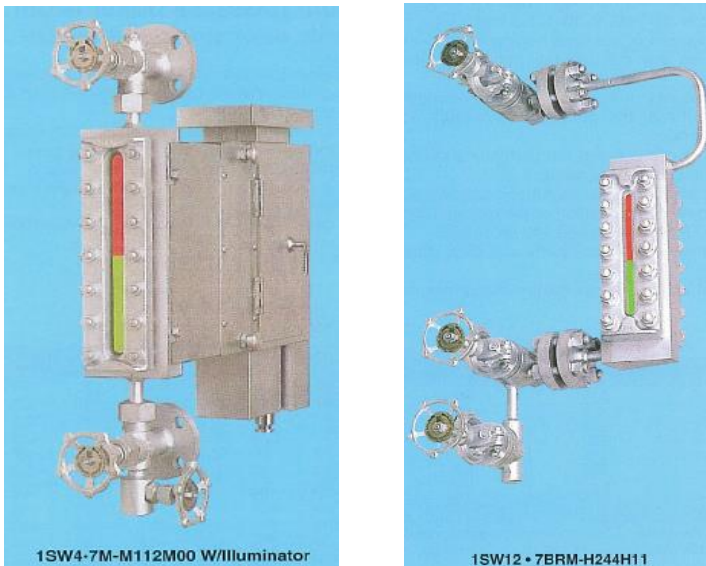
**Two-Color type Level Gauge (Symbol: SW / MC / MH)**



Lighting from Illuminator to Double flat gauge glass with Trapezoidal gauge body, by the reflection of lighting the gaseous part appears red and the liquid part appears green clearly.

Two-Color type are good for ITV or Milloring watching because separated two-color clearly.

**Flat Gauge Glass type: SW Series**



Max. Ope. Press./Temp. Table

	Press.	Temp.	Mat'l	Glass#
SW4	10.8	450	C.S/S.S	#4
SW6	11.4	450	C.S/S.S	#4
SW12	15.5	450	C.S.	#4

(Mpa) (°C)

\*Applicable for High Temperature Steam service or Corrosive Fluid with Mica sheet.

\* Many Exiperience for Steam Drum and High- Temperature and pressure chemical using all over the world.

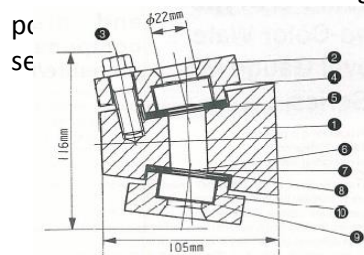
**Multi-Port Gauge Glass type: MC / MH Series**



\*The Port Glass are used for visible window so as to withstand ultra-high pressure and temperature.

\*MH series has jacket circuit for thermal compensate, applicable for Saturation temperature & pressure.

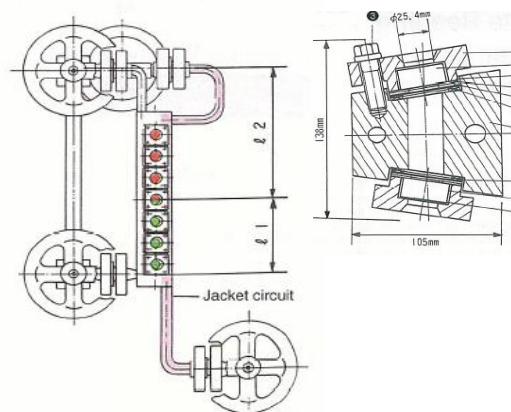
\*MT and TMH series are using



Max. Ope. Press./Temp. Table

	Press.	Temp.	Mat'l	Glass#
MC	14.7	450	C.S.	MC
MH	22.1	450	C.S.	MH

\*Thermal Compensate Jacket Circuit (M



\*\*Option: Mica Gaskets, Illuminator. Non-Frost Plate and Jacket.

# Magnet type Level Gauge (Symbol: MG )



MG1P4(25A)  
Slim Type



MG1P4(25A)  
Level Switch  
& Scale Plate



MG5F(50A)  
Standard type  
with Level Switch



MG5P(50A)  
-20mA Transmitter

## SUMMARY OF STRUCTURE

Magnetic Level Gauge indicate clear liquid level on the indicator mounted on the outside wall of the chamber.

The indicator is followed the moving of float by changing of liquid level in the non-magnetic material chamber.

4-20mA output Level Transmitter & Level Switches are available for remote monitoring and controlling.

New comer is Slim type. It is compact, light and saving cost.

## FEATURE

### ● Direct Visible

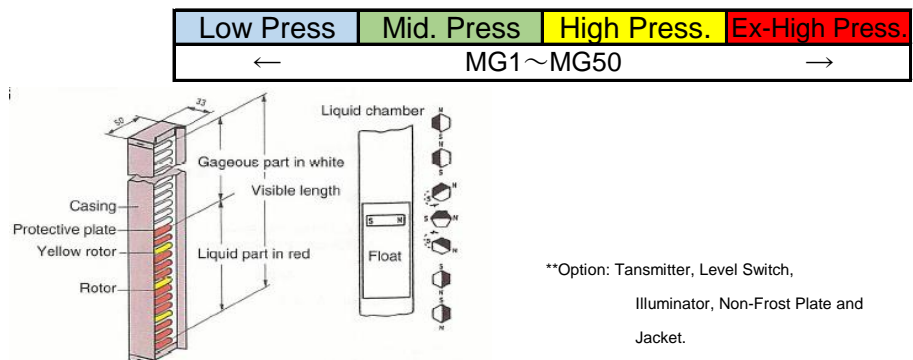
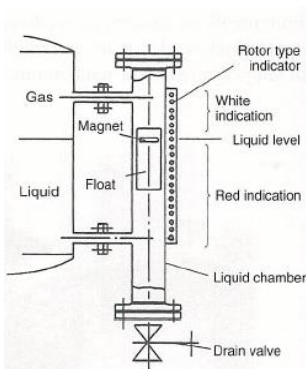
Clearly Water Level from far away because of colored indicator with Red and White.

### ● Safety

Metal pipe type doesn't have danger of damage or leaking.

### ● Maintenance Cost Free

Magnetic Level Gauge don't have consumable parts, so you don't need



\*\*Option: Tansmitter, Level Switch, Illuminator, Non-Frost Plate and Jacket.

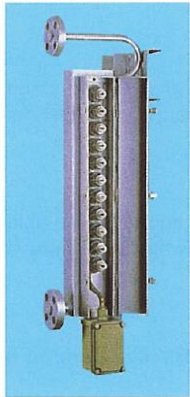
# Electrode type Level Gauge (Symbol: SRV-E)

## STEPRODEVISION

There is no Electrode type with the same capacity and quality in the world. STEPRODEVISION has been developed by BBK with long experience as a manufacturer of direct

Max. Ope. Press./Temp. Table

	Press.	Temp.
SRV-E	34.3 (Mpa)	400 (°C)



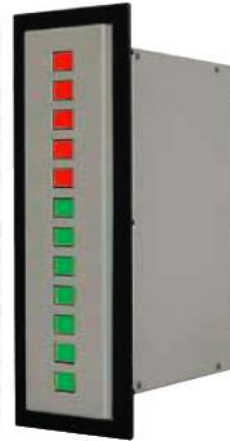
**Detector**

→  
cable

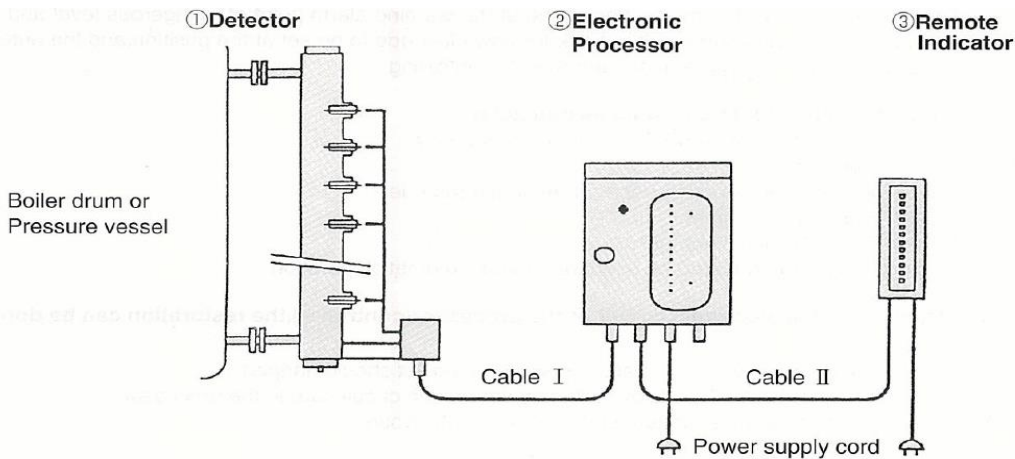


**Processor**

→  
cable



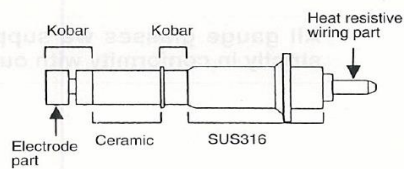
**Remote Display**



By Electrode plug sensing difference of electric resistance between water and steam, Indicate clearly Liquid level with two color. Steam part indicates Green and Water part indicates Red.

- \*Maintenance-Free for 2-year.
- \*Clearly level indicating at remote distance.
- \*Plug Pitch; Standard 50mm, Minimum 25mm.  
Installing plugs required quantity and points.
- \*Multiple level monitoring: transmitting 4-20mA to Remote Alarm, Level Control devise and also.
- \*Explosion Pproof, Water-Proof Structure.
- \*Self Testing System for Any breakdown.

### **Electrode Plug**



## Sight Glasses

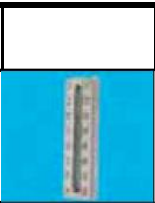










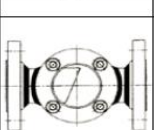

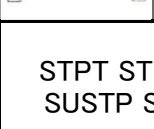

Checking flow of Piping equipment.  
Available for High Pressure, Coating Products and etc..

Here are BBK brand real sight glasses that are designed and manufactured by BBK, long experienced manufacturer with highly qualified technology specialized in level gauges, to which sight glasses are close as a whole.

BBK sight glasses are most reliable ones in the performance of their part for flow checking in the piping equipment of chemical plant and of steam service facilities, and for assistance of safety management, functional improvement and rationalization in respective plants.

The other sight glasses not mentioned here, for example, for high temperature and high pressure applications, for anti-corrosive material or treatment item or special made may be designed and manufactured on your request. Please consult with us for advice.

### Various Kind of Sight glasses

Model	Type		Piping Direction	Model	Type		Piping Direction
SG-1T SG-1R	Welded to Wall type		—	SG-7F	Flanged Ball type		↕
SG-2	Welded to Wall type		—	SG-5F	Flanged Rotator type		↕
SG-3F	Flanged Flow type		↕	SG-9	Flanged Jacket type		↕
SG-3S	Threaded Flow type		↕	SG-10	Flanged Short Pipe type		↕
SG-4F	Flanged Flapper type		↕	SG-VP	By-pass sight glass		↔
SG-4S	Threaded Flapper type		↕	SG-3FN	Flanged with Nozzle type		↕
SG-6F	Flanged Lantern type		↕	Standard Material		STPT STPG S25C SUSTP SUS PVC	



Vertical or horizontal piping

↔ horizontal piping

## We are Pioneer of Level Gauge Manufacturer in JAPAN.

### High Quality and Past Records Shipped

The Company started to import of liquid level gauges in 1920, and later on began for the first time home-made products of BBK brand liquid level gauges to meet the needs of the times. After World War II, the company, BBK, has fulfilled the onus of supply to meet the big demands for level gauges expanded in advancing industries of Japan, and has been supplying hi quality goods manufactured by a good deal of our know-how accumulated in those days.

Our BBK marked Water/liquid level gauges have been widely used in the host of industrial fields from the power generating, shipbuilding, various kinds of boilers, petro-refinery, petro-chemical, general chemical industries to the foods industry and innumerable quantities of the gauges have been world-widely shipped, of which record is enormously great.

We BBK employed the quality management system of ISO in the earlier time and in 1996, our conformity to ISO 9001 was officially certified and registered.

千涵國際股份有限公司

張曙光 / 總經理

手機 0927120778 ,E-mail: [kflow@seed.net.tw](mailto:kflow@seed.net.tw)



# BBK

\*Registered under ISO9001

\*Authorized under High Pressure Gas Regulation Japan

\*Authorized under Technical Standard on Welding of Electrical Structure

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