



Standard Product Portfolio

Pressure Measurement

Pressure Gauge
Diaphragm Pressure Gauge
Industrial Pressure Transmitter
Gauge with Contact
Flush Diaphragm Pressure Transmitter

Level Meter

Radar Level Meter
Ultrasonic Level

Temperature Measurement

Temperature Gauge
Integrated Temperature Transmitter
RTD & Thermocouple

Valve

Pneumatic Control Valve
Pneumatic Ball Valve
Butterfly Valve
Safety Relieve Valve

Flow Meter

Electromagnetic Flowmeter
Vortex Flowmeter
Rota Flowmeter
Thermal Mass Flowmeter
Handheld Ultrasonic Flowmeter



Bourdon tube pressure gauges

The application areas for these pressure gauges, manufactured entirely in stainless steel, are gaseous and liquid aggressive media that are not highly viscous or crystallising, also in aggressive environments. They are suitable for scale ranges from 0/0.6 to 0 / 1,000 Bar, kg/cm², mBar, Dependant upon the pressure range and the instrument model, overload safety of up to a maximum of 5 x full scale value is possible. To this point, the measurement accuracy is maintained. Liquid filling the case ensures a precise instrument display, even with high dynamic pressure loads and vibrations.

Nominal size : 6" 150mm , 4" 100mm , 2-1/2" 63mm
 Scale range : kg/cm² , bar , psi , inHg , mmHg
 Accuracy class : Accuracy $\pm 1.0\%$ of F. S. 100 mm & 150 mm
 $\pm 1.6\%$ of F. S. for 63 mm
 Protection : IP 65



Diaphragm seal systems

These combinations of diaphragm seals and pressure gauges or pressure sensors feature fast availability. They are particularly suitable for demanding measuring tasks in the pharmaceutical and biotechnology industries, food and beverage industries, and through to the oil & gas, chemical, petrochemical and semiconductor industries.

The diaphragm seal systems can be used for processes with gases, compressed air or vapour, with liquid, paste-like, powdery and crystallising media and also with aggressive, adhesive corrosive, highly viscous, environmentally hazardous or toxic media.

Pressure transmitter

pressure transmitter is a high performance pressure transmitter with international leading technology meticulously designed by LEEG instrument, using the world's most advanced monosilicon pressure sensor technology and patent encapsulation technology

Description

Industry pressure transmitter
 Sanitary pressure transmitter
 4-20mA , 4-20mA+HART



LEE G
 SENSING TOMORROW

Gauge with Contact

Magnetic snap on gauge is designed for automatic control and signals transfer. When the pressure gets to the set value, the contact opens/closes the circuits. ED series is suitable for harsh and corrosive environment.

Gauge pressure switch is a high performance pressure transmitter with international leading technology meticulously designed by LEEG instrument, using





Temperature measurement

Bimetal thermometer

Nominal size 4", 6"

Applications

Chemical and petrochemical industry

Process engineering

Food industry

Measuring ranges

-70 ... 30 °C up to 0 ... 500°C

version with rotateable (360°) and turnable case (90°)
allow the thermometer to be aligned as desired under
all installation conditions.



Integrated Temperature Transmitter

Resistance thermometers are suitable for applications
between -196 ... +600 °C (dependent on instrument model,
sensor element, accuracy class and materials coming into
contact with the medium)

Resistance thermometers are available in classes AA, A and B
in accordance with IEC 60751.

(ELEMENT) : Type K (CA), J (IC), T, E, R, S, B, PT100 Ω





Flow Meter



Electromagnetic flowmeter

electromagnetic flowmeter is a intelligent electromagnetic flowmeter, which is researched and developed with domestic and foreign advanced technology.

The Specialist for process liquids and slurries

Teflon, PFA, F46, Neoprene, Polyurethane etc

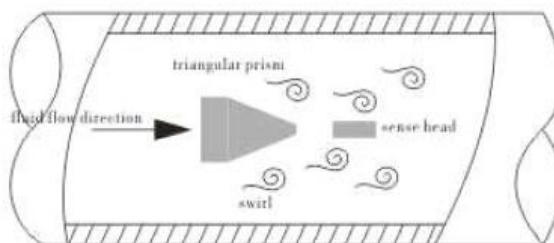
For flowrates upto 380,000m³/h and more

Meter sizes DN3"-DN3000mm



Vortex flowmeter

vortex flow sensor measuring the flow of liquid of steam, gas and low viscosity according to Carman and Strouhal relevant spiral produce and on the theory of the flow relationship. As shown in picture, In the meter body vertical insert a triangular prism root namely the happening of the body, when eddies of medium flow through the table body, in triangular prism behind the alternate produce in opposite directions regular karman swirl, its spiral separation and the flow of the medium frequency F speed by sensing head is proportional to the V detected the number of spiral, can measure the flow velocity, again according to the table body mouth



Thermal Mass Flow Meter

This application are specially designed for air and N₂ applications, such as compressed air, venting air, aeration, process protection N₂, combustion air etc.

Thermal Flow meter has two different installation types, one is insertion and the other is in-line type.

Variable Area Flowmeters

Variable area flow meter Series are used for measure instantaneous and accumulated flow rate of liquid, gas and steam



Valve and Automation



Butterfly Valve

Body material	WCB, SS304, Ductile iron
Disc material	WCB, SS304, Ductile iron nickel plating, nylon coating, aluminum bronze, 316, 316L, 2507, 1.4529
Seal material	NBR, EPDM, PTFE
Nominal pressure	PN1.0MPa, PN1.6MPa
Structure type	Midline
Control type	Single acting, double acting
Air supply	3-8bar
Pneumatic accessory	Solenoid valve, limit switch box, positioner, handle wheel, etc

Ball Valve

Ball Valve, Flange type Ball Valves



Design Feature

1. Lost-wax precision casting
2. Fire Safe design approved
3. Built-in ISO5211 direct mounting pad for easy automation
4. Anti-static devices for ball-stem-body
5. Blow-out proof stem
6. Pressure balance hole in ball slot
7. TA-LUFT design approved

Actuator

Control

DN

Pressure

temperature

Body Material

Ball Material

Sealing Material

Medium

Option

Electric, Pneumatic, Handwheel, Handle

On-off, Modulating, Intelligent

15~250mm

1.6~4.0MPa

PTFE, TFM: -29~178°C

EK: -29~250°C

BODY, STL: -40~425°C

SS316L, SS316, SS304, SS304L, WCB, CE3MN

SS316L, SS316, SS304L, CE3MN

PTFE, TFM, EK, BODY, STL

Gas, Water and Oil, etc

Limit Switch, Positioner, Solenoid Valve,

Pressure-relief Valve

Pneumatic Control Valve

Control Valve with Pneumatic Diaphragm or Electric Actuator



Actuator	Pneumatic, Pneumatic diaphragm, Electric
Control	On-off, Modulating, Intelligent
DN	20~400mm
Pressure	PN1.6~25.0Mpa, ANSI150~1500Lbs, JIS10~100K
Temperature	Std: -20~200°C, -40~250°C, -60~250°C Cooling type: -40~450°C, -60~450°C
Ambient temperature	-20~55°C
Inherent rangeability	2:2:01:00.000
Gas supply	0.14~0.3Mpa
Output signal	4~20MA, 1~5V
Connection	Flange
Structure	Standard Type, Bellows Seal Type, Cooling Type WCB, WCC, WC6, CF8, CF8M, CF3, CF3M, etc
Stem Material	304, 316, 316L 17~4PH
Spool Material	304, 316, 316L, 17~4H, Surfacing Stellite
Packing Material	PTFE, RTFE, Flexible graphite
Medium	Gas, Water and Oil, etc
Optional	Limit Switch, Positioner, Solenoid Valve, Pressure-relief Valve

Valve Accessories

APL Control Valve Position Monitor

Feature

1. Automatic control accessories
2. SPDT, DPDT Switch
3. 4~20mA output
4. NAMUR Stand
5. Explosion Proof: Ex d IIB T6
6. Without any tools for debugging operating contact angle
7. With anti loose bolt cap will not fall off the bolt when it's opened



Pneumatic Actuator, Double Actuator, Spring Return Actuator

Name	Pneumatic Actuator for Valves
Max Air Pressure	8 Bar (The clean dry or lubricated compressed air)
Rotation Range	0~90°
Working Temperature	Standard: -20~80°C High Temperature: -15~150°C Low Temperature: -40~80°C
Port Size	10~4000mm
Duty Cycle	0.02~5 Seconds
Material	Die-cast aluminum
Air Consumption	0.035~32L
Weight	0.64~182.9kgs





Explosion Proof Ultrasonic Flow Meter

Accuracy : $\leq 1\%$
Velocity : $0 \sim \pm 10$ m/s, forward and reverse measurement
Pipe Size : DN32 - DN6000 mm
Medium Temperature : $-30^{\circ}\text{C} \sim 160^{\circ}\text{C}$
Power Supply : DC8~36V, AC10~30V



General Electric Ultrasonic Liquid Flow

Accuracy : Better than $\pm 1\%$
Repeatability : Better than 0.2%
Size : DN15-DN6000
Medium Temperature : $-30^{\circ}\text{C} \sim 160^{\circ}\text{C}$
Velocity : $0 \sim \pm 10$ m



Handheld Flow Meter

Accuracy : Better than $\pm 1\%$
Repeatability : Better than 0.2%
Size : DN15-DN6000
Medium Temperature : $-30^{\circ}\text{C} \sim 160^{\circ}\text{C}$
linearity : Better than 0.5%

Level Meter



Radar Level Meter

Antenna system to launch and microwave receiving energy is very low, very short pulse. Radar waves travel with the speed of light. The running time can be through the electronic components are converted into a signal.

Measurement of this special time extension method can realize stable, accurate in a very short period of time

Application :

6G radar level gauge is suitable for liquid, paste, granule and block material level and non-contact measurement, suitable for changes in temperature, pressure big ; there is an inert gas and volatile.

The measurement method of microwave pulse, can work normally in the industrial frequency band range. The beam energy is low, can be installed on all kinds of metal, non-metallic container or pipe, no harm to human body and environment.



Explosion-proof Grade Exia IIC T6 Ga/ Exd ia IIC T6 Ga



ULTRASONIC LEVEL METER

Integrated design, installed conveniently ;
Protected in the excessive voltage and current ;
Protected in the thunder and lightning ;
The big show window of LCD is easy to debug and observe ;
Over-voltage over-current protection, lightning protection ;
Advanced since the clamp type terminal, to ensure that wiring never loose ;
Measuring Range : 4-30m
Output Current : 4-20 mA
Protection : IP67
Sensor Material : ABS,PVC,PTFE
Temperature : $-40^{\circ}\text{C} \sim 75^{\circ}\text{C}$



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