

# TRANSFORMER ACCESSORIES



**PRESSURE  
INDICATORS**



**TEMPERATURE  
INDICATORS**



**OIL LEVEL  
INDICATORS**





**KTVG**

# PRESSURE VACCUM GAUGE

## APPLICATION

The KTVG pressure vacuum gauge is a pressure measuring instrument specially designed for box-type power transformers. It can directly reflect the internal pressure changes of box-type transformers caused by changes in ambient temperature and observe the operating status of the transformer.

## TECHNICAL PARAMETER

1. Measuring range:  $-0.08 \sim 0.08$ MPa (can be customized according to user requirements).
2. Accuracy level: 2.5 level.
3. Operating environment: temperature  $-35^{\circ}\text{C} \sim 55^{\circ}\text{C}$ .
4. Installation connector: M27 x 2.



# THERMOMETER (HORIZONTAL & VERTICAL)

## APPLICATION

The KTTG pressure vacuum gauge is a pressure measuring instrument specially designed for box-type power transformers. It can directly reflect the internal pressure changes of box-type transformers caused by changes in ambient temperature and observe the operating status of the transformer.

## TECHNICAL PARAMETER

1. Temperature measurement range:  $-100^{\circ}\text{C} \sim 130^{\circ}\text{C}$ .
2. Indication accuracy: 2.5 level.
3. Operating environment temperature:  $-35^{\circ}\text{C} \sim 55^{\circ}\text{C}$ .
4. Keep the pipe under pressure: 1.6MPa.
5. Installation connector: M27 x 2.



**KTLG**

# OIL LEVEL INDICATOR (PIPE TYPE)

## APPLICATION

KTLG series pipe type oil level gauge is a special product for fully sealed transformer. This product is made of high quality steel tube or aluminium tube. The surface is electrostatic spray, meets the three different requirements.

## STRUCTURE AND WORKING PRINCIPLE

1. The structure of the oil level indicator is composed of a float, a connecting rod, and a red and blue indicator plate.
2. Working principle: When the oil level in the transformer rises or falls due to temperature or other reasons, the float of the oil level gauge rises or falls synchronously with the oil level, thereby driving the red and blue indicator plates to rise and fall, and the glass window indicates the oil level High and low, blue means the oil level is normal, red means the oil level is low.



**KTHZ**

# OIL LEVEL INDICATOR

## APPLICATION

This oil level indicator is suitable for the oil level indication of medium and small oil-immersed transformer oil conservator and on-load switch oil conservator. It can also be used for oil level measurement of other open or pressure vessels, instead of the interlinked glass tube oil level. It has the characteristics of safety, intuitiveness, reliability and long life.

## STRUCTURE AND WORKING PRINCIPLE

1. Oil level indicator structure: The oil level indicator is composed of float, connecting rod, meter seat, magnet, red, yellow and green indicator plates, thus ensuring the reliability of the oil level indicator sealing.
2. Working principle: When the oil level in the oil conservator increases or decreases due to temperature or other reasons, the float of the oil level indicator rises or decreases synchronously with the oil level, thereby driving the red, yellow and green indicator plates to rotate to indicate the oil level of the conservator.



**KRO1**

# RESISTANCE TEMPERATURE DETECTOR



**KRO2**

## KRO1

### APPLICATION

Such assemblies are generally inserted in existing Thermowells / protection tubes. This assembly can be provided with threaded connection and Thermowell.

### SPECIAL FEATURES

1. Spring loaded design for positive contact with thermowell.
2. Available in various connections & sheath diameters.

## KRO2

### APPLICATION

Such design is generally used in all industries, machinery manufactures, bearing temperature measurement etc. Where space is limited.

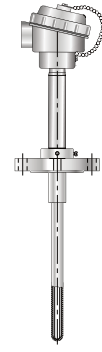
### SPECIAL FEATURES

1. Mineral Insulated cable.
2. Spring loaded design for positive contact with thermowell.
3. Available in various connections & sheath diameters.
4. Enclosures (Head):
  - Weatherproof IP - 67
  - Flameproof Gr. IIA, 11B
  - Explosion proof IIA, 11B, IIC
5. Transmitter output 4-20mA (Optional).



**KT01**

# THERMOCOUPLE



**KT02**

## KT01

### APPLICATION

Such design is generally used in all industries, machinery manufacturers, bearing temperature measurement etc. where space is limited.

### SPECIAL FEATURES

1. Mineral insulation enables flexibility and Durability.
2. Spring loaded design for positive contact with thermowell.
3. Available in various connections & sheath diameters.
4. Enclosures (Head):
  - Weatherproof IP - 67
  - Flameproof Gr. IIA, 11B
  - Explosion proof IIA, 11B, IIC
5. Transmitter output 4-20mA (Optional).

## KT02

### APPLICATION

Temperature measurement of furnaces, combustion chambers, recuperators and similar applications.

### SPECIAL FEATURES

1. Assembly with KER 710 or KER 610 tube for high temperature application
2. Thermocouple element is available in different wire sizes..
3. Available in various connections & sheath diameters.
4. Enclosures (Head):
  - Weatherproof IP - 67
  - Flameproof Gr. IIA, 11B
  - Explosion proof IIA, 11B, IIC
5. Transmitter output 4-20mA (Optional).



**KPSV**

# INDUSTRIAL VALVES



**KBSV**

## KPSV-SS

### SPECIAL FEATURES

1. Set Pressure from 50 to 7250 Psig (3.4 Bar to 500 Bar).
2. Working Temperature from -10 °F to 300°F (-23°C to 148°C ).
3. Balance Stem Design to eliminate the effect of system Back Pressure.
4. 7 color - coded Springs Available for a wide Range of Set Pressures.
5. Manual Override Handles available to open the valve without changing the set pressure when lower than 1500 Psig.
6. KLEEV Provided 316, 304, 316l and 304L / A182 Body Materials.

## KBSV

### SPECIAL FEATURES

1. First jet and blowout almost happen at the same time.
2. Valve disc with fine minor polish has an incredible performance in anti leakage.





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