

# Pressure Transmitter

## KIT-LP/HP Series



KIT-LP15

### Applications

- Process control
- Hydraulics & Pneumatics
- Compressor control
- Chillers
- Refrigeration Equipment

### Specifications

#### ▶ Principle of Pressure Measurement

- Gauge / Absolute / Vacuum and Compound

#### ▶ Measuring Range

- Gauge Pressure : 0 ~ 0.5 to 600bar
- Compound Pressure : -760mmHg ~ 0 to 30bar
- Absolute Pressure : 0 ~ 1 to 30bar

#### ▶ Overload

- X 1.5 ~ 4 FS without Damage

#### ▶ Accuracy

- $\pm 0.5\%$  F · S

#### ▶ Output signal

- 4~20mA DC, 0~5(10)V, 1~5V

#### ▶ Power supply

- 18 ~ 36V DC (STD. 24V DC)

#### ▶ Operating Conditions

|             | $\leq 0.35\text{bar}$ | $\geq 1.05\text{bar}$ |
|-------------|-----------------------|-----------------------|
| Compensated | 0 ~ 50°C              | -20 ~ 70°C            |
| Operating   | -10 ~ 70°C            | -10 ~ 125°C           |

#### ▶ Electrical Connections

- PF 1/2"

#### ▶ Process Connections

- PT(PF) 1/4", 3/8", 1/2"
- Female and other connection available

#### ▶ Material

- Diaphragm : CERAMIC
- Wet part : STS 316L
- Case : ADC12



KIT-LP25

### Applications

- Process control
- Hydraulics & Pneumatics
- Compressor control
- Chillers
- Refrigeration Equipment

### Specifications

#### ▶ Principle of Pressure Measurement

- Gauge / Absolute / Vacuum and Compound

#### ▶ Measuring Range

- Gauge Pressure : 0 ~ 0.5 to 600bar
- Compound Pressure : -760mmHg ~ 0 to 30bar
- Absolute Pressure : 0 ~ 1 to 30bar

#### ▶ Overload

- X 1.5 ~ 4 FS without Damage

#### ▶ Accuracy

- $\pm 0.5\%$  F · S

#### ▶ Output signal

- 4~20mA DC, 0~5(10)V, 1~5V

#### ▶ Power supply

- 18 ~ 36V DC (STD. 24V DC)

#### ▶ Operating Conditions

|             | $\leq 0.35\text{bar}$ | $\geq 1.05\text{bar}$ |
|-------------|-----------------------|-----------------------|
| Compensated | 0 ~ 50°C              | -20 ~ 70°C            |
| Operating   | -10 ~ 70°C            | -10 ~ 125°C           |

#### ▶ Electrical Connections

- PG11

#### ▶ Process Connections

- PT(PF) 1/4", 3/8", 1/2"
- Female and other connection available

#### ▶ Material

- Diaphragm : CERAMIC
- Wet part : STS 316L
- Case : STS 316L



KIT-LP35

### Applications

- Process control
- Hydraulics & Pneumatics
- Compressor control
- Chillers
- Refrigeration Equipment

### Specifications

#### ▶ Principle of Pressure Measurement

- Gauge / Absolute / Vacuum and Compound

#### ▶ Measuring Range

- Gauge Pressure : 0 ~ 0.5 to 600bar
- Compound Pressure : -760mmHg ~ 0 to 30bar
- Absolute Pressure : 0 ~ 1 to 30bar

#### ▶ Overload

- X 1.5 ~ 4 FS without Damage

#### ▶ Accuracy

- $\pm 0.5\%$  F · S

#### ▶ Output signal

- 4~20mA DC, 0~5(10)V, 1~5V

#### ▶ Power supply

- 18 ~ 36V DC (STD. 24V DC)

#### ▶ Operating Conditions

|             | $\leq 0.35\text{bar}$ | $\geq 1.05\text{bar}$ |
|-------------|-----------------------|-----------------------|
| Compensated | 0 ~ 50°C              | -20 ~ 70°C            |
| Operating   | -10 ~ 70°C            | -10 ~ 125°C           |

#### ▶ Electrical Connections

- Lead wire

#### ▶ Process Connections

- PT(PF) 1/4", 3/8", 1/2"
- Female and other connection available

#### ▶ Material

- Diaphragm : CERAMIC
- Wet part : STS 316L
- Case : STS 316L



KIT-LP45

## Applications

- Process control
- Hydraulics & Pneumatics
- Compressor control
- Chillers
- Refrigeration Equipment

## Specifications

### ▶ Principle of Pressure Measurement

- Gauge / Absolute / Vacuum and Compound

### ▶ Measuring Range

- Gauge Pressure : 0 ~ 0.5 to 600bar
- Compound Pressure : -760mmHg ~ 0 to 30bar
- Absolute Pressure : 0 ~ 1 to 30bar

### ▶ Overload

- X 1.5 ~ 4 FS without Damage

### ▶ Accuracy

- $\pm 0.5\%$  F · S

### ▶ Output signal

- 4~20mA DC, 0~5(10)V, 1~5V

### ▶ Power supply

- 18 ~ 36V DC (STD, 24V DC)

### ▶ Operating Conditions

|             | $\leq 0.35\text{bar}$ | $\geq 1.05\text{bar}$ |
|-------------|-----------------------|-----------------------|
| Compensated | 0 ~ 50°C              | -20 ~ 70°C            |
| Operating   | -10 ~ 70°C            | -10 ~ 125°C           |

### ▶ Electrical Connections

- Lead wire

### ▶ Process Connections

- PT(PF) 1/4", 3/8", 1/2"
- Female and other connection available

### ▶ Material

- Diaphragm : CERAMIC
- Wet part : STS 316L
- Case : STS 316L



KIT-HP12

## Applications

- Process control
- Hydraulics & Pneumatics
- Compressor control
- Chillers
- Refrigeration Equipment

## Specifications

### ▶ Principle of Pressure Measurement

- Gauge / Absolute / Vacuum and Compound

### ▶ Measuring Range

- Gauge Pressure : 0 ~ 0.2 to 350bar
- Compound Pressure : -760mmHg ~ 0 to 30bar
- Absolute Pressure : 0 ~ 1 to 30bar

### ▶ Overload

- X 3 FS without Damage

### ▶ Accuracy

- $\pm 0.2\%$  F · S

### ▶ Output signal

- 4~20mA DC, 0~5(10)V, 1~5V

### ▶ Power supply

- 18 ~ 36V DC (STD, 24V DC)

### ▶ Operating Conditions

|             | $\leq 0.35\text{kg/cm}^2$ | $\geq 1.05\text{kg/cm}^2$ |
|-------------|---------------------------|---------------------------|
| Compensated | 0 ~ 50°C                  | -20 ~ 70°C                |
| Operating   | -10 ~ 70°C                | -10 ~ 125°C               |

### ▶ Electrical Connections

- PF 1/2"

### ▶ Process Connections

- PT(PF) 1/4", 3/8", 1/2"
- Female and other connection available

### ▶ Material

- Diaphragm : STS 316L
- Wet part : STS 316L
- Case : ADC12



KIT-HP22

## Applications

- Process control
- Hydraulics & Pneumatics
- Compressor control
- Chillers
- Refrigeration Equipment

## Specifications

### ▶ Principle of Pressure Measurement

- Gauge / Absolute / Vacuum and Compound

### ▶ Measuring Range

- Gauge Pressure : 0 ~ 0.2 to 350bar
- Compound Pressure : -760mmHg ~ 0 to 30bar
- Absolute Pressure : 0 ~ 1 to 30bar

### ▶ Overload

- X 3 FS without Damage

### ▶ Accuracy

- $\pm 0.2\%$  F · S

### ▶ Output signal

- 4~20mA DC, 0~5(10)V, 1~5V

### ▶ Power supply

- 18 ~ 36V DC (STD, 24V DC)

### ▶ Operating Conditions

|             | $\leq 0.35\text{kg/cm}^2$ | $\geq 1.05\text{kg/cm}^2$ |
|-------------|---------------------------|---------------------------|
| Compensated | 0 ~ 50°C                  | -20 ~ 70°C                |
| Operating   | -10 ~ 70°C                | -10 ~ 125°C               |

### ▶ Electrical Connections

- PG 11

### ▶ Process Connections

- PT(PF) 1/4", 3/8", 1/2"
- Female and other connection available

### ▶ Material

- Diaphragm : STS 316L
- Wet part : STS 316L
- Case : STS 316L

# Pressure Transmitter

## KIT-LP/HP Series



KIT-HP32

### Applications

- Process control
- Hydraulics & Pneumatics
- Compressor control
- Chillers
- Refrigeration Equipment

### Specifications

- ▶ **Principle of Pressure Measurement**
  - Gauge / Absolute / Vacuum and Compound
- ▶ **Measuring Range**
  - Gauge Pressure : 0 ~ 0.2 to 350bar
  - Compound Pressure : -760mmHg ~ 0 to 30bar
  - Absolute Pressure : 0 ~ 1 to 30bar
- ▶ **Overload**
  - X 3 FS without Damage
- ▶ **Accuracy**
  - $\pm 0.2\%$  F · S
- ▶ **Output signal**
  - 4~20mA DC, 0~5(10)V, 1~5V
- ▶ **Power supply**
  - 18 ~ 36V DC (STD. 24V DC)
- ▶ **Operating Conditions**

|             | $\leq 0.35\text{kg/cm}^2$ | $\geq 1.05\text{kg/cm}^2$ |
|-------------|---------------------------|---------------------------|
| Compensated | 0 ~ 50°C                  | -20 ~ 70°C                |
| Operating   | -10 ~ 70°C                | -10 ~ 125°C               |
- ▶ **Electrical Connections**
  - Lead wire
- ▶ **Process Connections**
  - PT(PF) 1/4", 3/8", 1/2"
  - Female and other connection available
- ▶ **Material**
  - Diaphragm : STS 316L
  - Wet part : STS 316L
  - Case : STS 316L



KIT-HP42

### Applications

- Process control
- Hydraulics & Pneumatics
- Compressor control
- Chillers
- Refrigeration Equipment

### Specifications

- ▶ **Principle of Pressure Measurement**
  - Gauge / Absolute / Vacuum and Compound
- ▶ **Measuring Range**
  - Gauge Pressure : 0 ~ 0.2 to 350bar
  - Compound Pressure : -760mmHg ~ 0 to 30bar
  - Absolute Pressure : 0 ~ 1 to 30bar
- ▶ **Overload**
  - X 3 FS without Damage
- ▶ **Accuracy**
  - $\pm 0.2\%$  F · S
- ▶ **Output signal**
  - 4~20mA DC, 0~5(10)V, 1~5V
- ▶ **Power supply**
  - 18 ~ 36V DC (STD. 24V DC)
- ▶ **Operating Conditions**

|             | $\leq 0.35\text{kg/cm}^2$ | $\geq 1.05\text{kg/cm}^2$ |
|-------------|---------------------------|---------------------------|
| Compensated | 0 ~ 50°C                  | -20 ~ 70°C                |
| Operating   | -10 ~ 70°C                | -10 ~ 125°C               |
- ▶ **Electrical Connections**
  - Lead wire
- ▶ **Process Connections**
  - PT(PF) 1/4", 3/8", 1/2"
  - Female and other connection available
- ▶ **Material**
  - Diaphragm : STS 316L
  - Wet part : STS 316L
  - Case : STS 316L



KIT-FMP15

### Applications

- Food process control
- Water resource management
- Sewage water & slurry
- Glues & Resins
- Oil & Lubricants

### Specifications

- ▶ **Principle of Pressure Measurement**
  - Gauge / Absolute / Vacuum and Compound
- ▶ **Measuring Range**
  - Gauge Pressure : 0 ~ 0.5 to 600bar
  - Compound Pressure : -760mmHg ~ 0 to 30bar
  - Absolute Pressure : 0 ~ 1 to 30bar
- ▶ **Overload**
  - X 3 FS without Damage
- ▶ **Accuracy**
  - $\pm 0.5\%$  F · S
- ▶ **Output signal**
  - 4~20mA DC, 0~5(10)V, 1~5V
- ▶ **Power supply**
  - 18 ~ 36V DC (STD. 24V DC)
- ▶ **Operating Conditions**

|             | $\leq 0.35\text{bar}$ | $\geq 1.05\text{bar}$ |
|-------------|-----------------------|-----------------------|
| Compensated | 0 ~ 50°C              | -20 ~ 70°C            |
| Operating   | -10 ~ 70°C            | -10 ~ 125°C           |
- ▶ **Electrical Connections**
  - PG 11
- ▶ **Process Connections**
  - PF 3/4" (Standard)
  - Other connections on request
- ▶ **Material**
  - Diaphragm : CERAMIC
  - Wet part : STS 316L
  - Case : STS 316L



## KIT-FMP12

### Applications

- Food process control
- Water resource management
- Sewage water & slurry
- Glues & Resins
- Oil & Lubricants

### Specifications

#### ▶ Principle of Pressure Measurement

- Gauge / Absolute / Vacuum and Compound

#### ▶ Measuring Range

- Gauge Pressure : 0 ~ 0.2 to 350bar
- Compound Pressure : -760mmHg ~ 0 to 30bar
- Absolute Pressure : 0 ~ 1 to 30bar

#### ▶ Overload

- X 1.5 ~ 4 FS without Damage

#### ▶ Accuracy

- $\pm 0.2\%$  F · S

#### ▶ Output signal

- 4~20mA DC, 0~5(10)V, 1~5V

#### ▶ Power supply

- 18 ~ 36V DC (STD, 24V DC)

#### ▶ Operating Conditions

|             | $\leq 0.35\text{bar}$ | $\geq 1.05\text{bar}$ |
|-------------|-----------------------|-----------------------|
| Compensated | 0 ~ 50°C              | -20 ~ 70°C            |
| Operating   | -10 ~ 70°C            | -10 ~ 125°C           |

#### ▶ Electrical Connections

- PF 1/2"

#### ▶ Process Connections

- PF 3/4" (Standard)
- Other connections on request

#### ▶ Material

- Diaphragm : STS 316L
- Wet part : STS 316L
- Case : ADC12



## KIT-CRP25

### Applications

- Chemical and Petrochemical Industry
- Corrosive Gas Duct Line
- Liquid Level Measurement

### Specifications

#### ▶ Principle of Pressure Measurement

- Gauge / Absolute / Vacuum and Compound

#### ▶ Measuring Range

- Gauge Pressure : 0 ~ 0.2 to 350bar
- Compound Pressure : -760mmHg ~ 0 to 30bar
- Absolute Pressure : 0 ~ 1 to 30bar

#### ▶ Overload

- X 3 FS without Damage

#### ▶ Accuracy

- $\pm 0.2\%$  F · S

#### ▶ Output signal

- 4~20mA DC, 0~5(10)V, 1~5V

#### ▶ Power supply

- 18 ~ 36V DC (STD, 24V DC)

#### ▶ Operating Conditions

|             | $\leq 0.35\text{bar}$ | $\geq 1.05\text{bar}$ |
|-------------|-----------------------|-----------------------|
| Compensated | 0 ~ 50°C              | -20 ~ 70°C            |
| Operating   | -10 ~ 70°C            | -10 ~ 125°C           |

#### ▶ Electrical Connections

- PF 1/2"

#### ▶ Process Connections

- PT(PF) 3/8", 1/2"
- Other are available

#### ▶ Material

- Diaphragm : CERAMIC
- Wet part : TEFLON
- Case : TEFLON



## KIT-HTP12

### Applications

- Food process control
- Water resource management
- Sewage water & slurry
- Glues & Resins
- Oil & Lubricants

### Specifications

#### ▶ Principle of Pressure Measurement

- Gauge / Absolute / Vacuum and Compound

#### ▶ Measuring Range

- Gauge Pressure : 0 ~ 0.2 to 350bar
- Compound Pressure : -760mmHg ~ 0 to 30bar
- Absolute Pressure : 0 ~ 1 to 30bar

#### ▶ Overload

- X 1.5 ~ 4 FS without Damage

#### ▶ Accuracy

- $\pm 0.2\%$  F · S

#### ▶ Output signal

- 4~20mA DC, 0~5(10)V, 1~5V

#### ▶ Power supply

- 18 ~ 36V DC (STD, 24V DC)

#### ▶ Operating Conditions

|             | $\leq 0.35\text{bar}$ | $\geq 1.05\text{bar}$ |
|-------------|-----------------------|-----------------------|
| Compensated | 0 ~ 50°C              | -20 ~ 70°C            |
| Operating   | -10 ~ 70°C            | -10 ~ 125°C           |

#### ▶ Electrical Connections

- PF 1/2"

#### ▶ Process Connections

- PT(PF) 1/4", 3/8", 1/2"
- Female and other connection available

#### ▶ Material

- Diaphragm : STS 316L
- Wet part : STS 316L
- Case : STS 316L