Krone Digital Manometer 30

KDM30

High accuracy digital pressure gauge

Krone 30th anniversary model

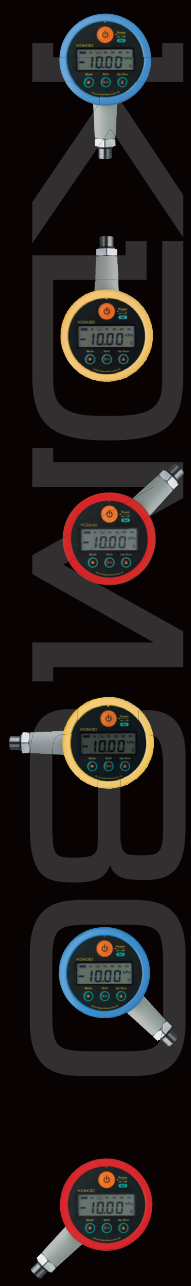
RoHS CE

<Features>

1. Flexible Display Mechanism (Japanese patent approved)
2. 4 digit LCD display with backlight
3. Peak hold / Valley hold function
4. Available in either Battery or Power supply model
5. Wide variety of pressure measurement functions
6. Connector material: SUS316L (Stainless steel 1.4435)
7. CE approved and labeled

Our new KDM30 is a high accuracy digital pressure gauge from our original KDM series which incorporates proven silicon sensor technology.
Measured values and configuration of individual parameters are displayed and manipulated through a menu on the LCD display. The display can be rotated up to 330 degrees guaranteeing optimum readability despite unusual installation positions.
The rotating mechanism provides a distinct advantage in adaptability.

FLEXIBLE DISPLAY



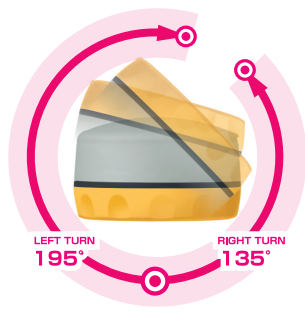
Product



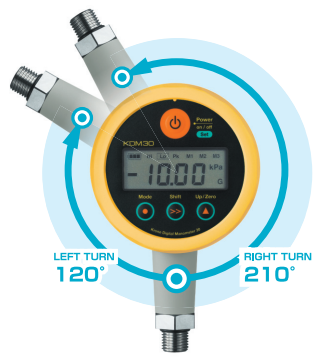
Flexible Display

■ KDM30s display is virtually unrestricted by installation position.
Krone Corp. has developed a new flexible display system which allows for difficult installation positioning. User-friendly device, especially when used as a plumbing fixture.





Neck rotation angle: Max 330°



Display rotation angle: Max 330°

2009 30 KRONE CORPORATION

KDM30 Specification

Krone Digital Manometer 30

[Parts number]

Type	① Pressure range / Type	② Battery type	③ Flont color	④ Option / Output
KDM30	□□□□□□□	□	□□	□□
	■ Gauge 35kPaG 1MPaG 35MPaG 100kPaG 5MPaG 70MPaG 500kPaG 10MPaG ■ Absolute ■ Compound 100kPaA −100∽500kPaC 200kPaA	**B** : 006P Battery (9V) **M** : 24VDC **A** : 100VAC	**BL** : Blue **YL** : Yellow **RE** : Red	■ Battery model **X** : Buzzer ■ External power supply model **X** : Buzzer **XR** : Buzzer & RS232C **V** : Analog 1-5VDC **XV** : Buzzer & 1-5VDC **R** : RS232C

Parts number EX.	①	②	③	④
KDM30	Compound −100∽500kPaC	24VDC	Yellow	Buzzer & RS232C

Parts number EX. [KDM30 — 500kPaC — M — YL — XR]

<Specification>

<Over pressure>
Pressure range under 1MPa - Safe to 3times set pressure limit.
Pressure range above 5MPa - Safe to 2times set pressure limit.
<Accuracy> +/-0.25%F.S.(Linearity, Hysteresis, and Repeatability are included)
<Medium> Dry gases and liquid (non-corrode away to SUS316L=1.4435)
<Material>
Pressure port: SUS316
O-ring (Standard): NBR
Case: ABS
Thermal zero shift: +/-0.04%F.S./℃
Thermal span shift: +/-0.04%F.S./℃
<Long-term stability>
Zero: +/-0.1%F.S/year (Typical)
Span: +/-0.1%F.S/year (Typical)
<Endurance> Over 1 million
<Operating temperature range> 0-50℃ (without Freeze)
<Storage temperature range> -20-80℃ (without Freeze and condensation)
<Pressure port> G1/4 male
<Weight> Approximately 180g (including battery)

<Electricity>

Power supply
- Battery model: 006P battery (9V) 1pcs
- External model: 24VDC/50mA

<Display>
4 digit LED display (Character height is 11mm)
Backlight (Duration of illumination adjustable)
Remaining battery amount display
Hi/Lo/Peak display
<Electricity for External model>
- Analogue output:
  4 - 20mA (Option 1 - 5VDC) (Pressure reading 0%-100%)
  Max current 1mA (Load resistance is over 4.5kΩ) Alarm
- output:
  Hi/Lo/Good Open collector (35V/30mA)
  It's possible to select positive logic or negative-true logic.

<Option>
Available in either a Digital output model or blue tooth model.

- Auto power off (Time constants adjustable)
- Sampling time rate (Time constants adjustable)
- Display time rate (Time constants adjustable)
- Moving average frequency (Time constants adjustable)
- Peak hold and Valley hold function
- One-press correct zero point function

<Accessory>

1. Battery model: 006P 9V battery
2. External model: connecting cable (1m)
3. External model with adapter: Connecting cable (1m) with adapter jack, 100V AC adapter
4. Storage box set model: 3pcs of KDM30 include proof certificate, storage box and accessory as needed.(You can choose any kind of pressure range, pressure type and model)

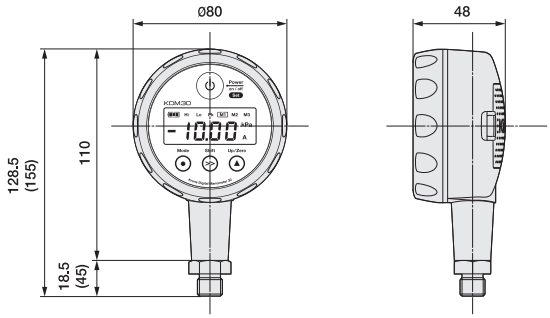




⚠ CAUTION | To use this device accurately and safety, read the manual carefully. Specification may change without notice. Please contact local sales office for product selection and pricing.

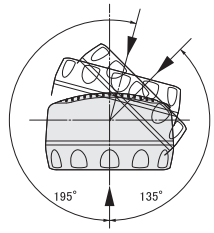
<Dimensions>

*( )Dimention of compound model



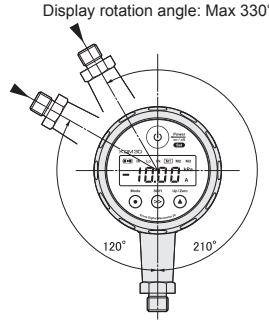
<Flexible Display>

Neck rotation angle: Max 330°



(front)

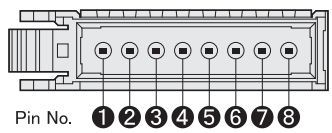
Display rotation angle: Max 330°



<Connector connection for External model>



Using connector type: E-CON 1473571-8(AMP)
Engagement connector type: E-CON 1473562-8(AMP)



Pin1: Analog +output
Pin2: Analog -output
Pin3: Hi output
Pin4: Lo output
Pin5: Good output
Pin6: Power supply 12V
Pin7: GND
Pin8: FG

<Color>

Body color in a selection of blue, yellow or red


blue


yellow


red

PCI Instruments Ltd, EU and UK Official Distributor
Southport, Merseyside, PR9 9YF, UK
Tel: +44 (0)1704 509090
Fax: +44 (0)1704 509091
Email: sales@pci-instruments.com
Website: www.pci-instruments.com