

스마트 타입 디지털 압력트랜스미터 / Pressure Transmitters



Pascal CI4100 / 4110 / 4120

- Range: 0.25 to 400bar
- Accuracy: $\pm 0.1\%$
- HART® protocol version7



Pascal CI4300 / 4330 (차압)

- Range: 0.25 to 16bar
- Accuracy: 0.1%
- HART® protocol version7



Pascal CS2100 / 2110

- Range: 100 mbar to 400 bar
1 bar to 6 bar abs
- Accuracy: $\pm 0.2\%$



Pascal CV3100 / 3110 / 31111(모듈)

- Range: 80mbar to 400bar
- Accuracy: 0.15%
- HART® protocol (rev. 6) or PROFIBUS PA



Pascal Ci4400/ 4200 (레벨)

- Range: 100mbar to 16bar
- Accuracy: 0.1%
- HART® protocol version7
up to 200°C



Pascal CV3110L (레벨)

- Range: 80mbar to 40bar
- Accuracy: 0.15%
- HART® protocol version7
up to 160°C

압력 교정기 / Pressure Calibrators



Dead weight tester PD 6 / 10 / 25

- Range: 0.6 bar to 25bar
- Accuracy: better 0.03%



Dead weight tester PD 60 / 100 / 600 / 1000 / 2500

- Range: 6 bar to 2500bar
- Accuracy: better 0.03% or 0.04%



Pressure generator PH 60-P, PS 60-P / 600-P

- Range: - 0.5 bar to 600bar
- Accuracy: Depends on precision test gauge



Pressure generator PS 600-G / 1000-G / 2500-G

- Range: 0 bar to 2500bar
- Accuracy: Depends on precision test gauge



Pressure controller DPG 3600 / 3600 HD

- Range: -1 to 1000 bar (Gauge)
0 to 1000 bar (Absolute)
 $\pm 30\text{mbar}$ to $\pm 300\text{mbar}$ (Differential)
- Accuracy: better than $\pm 0.01\%$
better than diff.pressure $\pm 0.03\%$ FS



Digital pressure indicator DPC 3800 / 3800 HD

- Range: -1 to 1000 bar (Gauge)
0 to 100 bar (Absolute)
 $\pm 30\text{mbar}$ to $\pm 300\text{mbar}$ (Differential)
- Accuracy: better than $\pm 0.01\%$
better than diff.pressure $\pm 0.03\%$ FS

압력 교정기 / Pressure Calibrators

europascal



Pressure generator CA1. CA2

- Range: CA1: -0.9 bar to 200bar
CA2: 0...200bar
- Accuracy: Depends on precision test gauge



Pressure generator CH2

- Range: 0...1250bar (18000 psi)
0...2000bar (30000 psi)
0...4000bar (60000 psi)
- Accuracy: Depends on precision test gauge



Dead weight tester BA2

- Range: -15 mbar up to 200bar
- Accuracy: 0.015% of reading
- Option: $\pm 0.008\%$ of reading



Dead weight tester BH2

- Range: -0.2 bar up to 6000bar
- Accuracy: 0.04% to 0.015% of reading
- Option: $\pm 0.008\%$ of reading up to 1200bar

차압계 / Differential Pressure Gauge

Mid-West Instrument



- 120**
- Type: Piston
 - Dial size: 2-1/2" / 3-1/2" & 4-1/2"
 - Accuracy: 3 / 2 / 3%
 - Range: min. ΔP range: 0...5PSID
max. ΔP range: 0...110PSID



- 140**
- Type: Diaphragm
 - Dial size: 2-1/2" & 4-1/2"
 - Accuracy: ±2% or ±5%
 - Range: min. ΔP range: 0...25PSID
max. ΔP range: 0...100PSID



- 105**
- Type: Bellows
 - Dial size: 6"(standard), 4-1/2"
 - Accuracy: ±0.5% or ±1%
 - Range: min. ΔP range: 0...10"H2O
max. ΔP range: 0...80"H2O



- 116**
- Type: Bellows
 - Dial size: 6"
 - Accuracy: ±1%
 - Range: min. ΔP range: 0...70"H2O
max. ΔP range: 0...800"H2O



- 220**
- Type: Piston
 - Dial size: 4-1/2"
 - Accuracy: ±2%
 - Range: min. ΔP range: 0...5PSID
max. ΔP range: 0...100PSID



- 127**
- Type: Piston
 - Dial size: 1-1/4", 2-1/4" oval
 - Accuracy: ±5%
 - Range: min. ΔP range: 0...25PSID
max. ΔP range: 0...100PSID

습도 & 온도 트랜스미터 / Humidity & Temperature Transmitters

novasina
The Art of Precision Measurement



- HygroMaxx**
- Range: -20...80 °C
0...100 %RH
 - Accuracy: ±3% RH / ±0.5 K
 - Output: 4...20mA / 0...10V



- TempMaxx**
- Range: -50 up to 400 °C
 - Accuracy: ±0.15% F.S.
 - Output: 4...20mA / 0...10V
 - Sensor: PT100/ PT1000/ Ni1000
AA/ A/ B 1/3B C NTC type



- StatMaxx**
- Range: -20...80 °C
0...100 %RH
 - Accuracy: ±3% RH / ±0.5 K
 - Output: UMB1.6, Lufft DE



- QuantaDat/nSen**
- Range: -20...80 °C
0...100 %RH
 - Accuracy: ±0.5% RH / ±0.1 K
 - Output: 4...20mA / 0...10V / RS 485



- ClimMate**
- Handheld Instrument
 - 2 Probe connection
 - 9V battery or 9V AC adapter
 - 0...1aW, 0...100%RH, -10...60 °C



- HygroGuard 30**
- Range: -20...50 °C
0...95 %RH
 - Accuracy: ±2% RH / ±0.3 °C
 - Supply: 4AA batter, 5V USB



- ClimaLog 30**
- Range: -20...50 °C
0...95 %RH
 - Accuracy: ±3% RH / ±0.3 K
 - Supply: 4AA batter, 5V USB



- DataLog 30**
- Range: depend on sensor
 - Accuracy: depend on sensor
 - Supply: 4AA batter, 5V USB
 - UMB-bus & 2AI



- Lab Master-aw** [수분활성도측정기]
- Laboratory Analyzer
 - Accuracy: ±0.003aw (4...97%rh)
 - Power supply: 90...264VAC
 - RS232 Communication



- Lab Touch-aw** [수분활성도측정기]
- Laboratory Analyzer
 - Accuracy: ±0.005aw (10...97%rh)
 - Power supply: 90...264VAC
 - Touch Screen

습도 & 온도 트랜스미터 / Humidity & Temperature Transmitters

IDAHOI



- DQM-212**
- Range: -30...105 °C
/ 0...100 %RH
 - Output: 4...20mA, 0...5/10V
 - Supply: 24VDC
 - Accuracy: ±0.5@25 °C



- DQM-421 / 422**
- Range: -40...120 °C
/ 0...100 %RH
 - Output: 4...20mA, 0...5/10V
 - Supply: 24VDC
 - Accuracy: ±0.5@25 °C



- DQM-212 with Display**
- Range: -30...105 °C
/ 0...100 %RH
 - Output: 4...20mA, 0...5/10V
 - Supply: 24VDC
 - Accuracy: ±0.5@25 °C



- DQM-421 / 422 with Display**
- Range: -40...120 °C
/ 0...100 %RH
 - Output: 4...20mA, 0...5/10V
 - Supply: 24VDC
 - Accuracy: ±0.5@25 °C



- DQM-612-XX-2 with Display**
- Range: -40...120 °C
/ 0...100 %RH
 - Output: 4...20mA, 0...5/10V
 - Supply: 24VDC
 - Accuracy: ±0.5@25 °C

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KS Q ISO 9001 / ISO 9001
 KOLAS
 KSR
 KAB
 국제공인 교정기관
 KAB-QC-66



(주)다호트로닉은 압력/온도/습도/유량 분야의 현장용 계측기를 스위스, 독일 및 프랑스 등 유럽에서 수입하여 국내 반도체, 중·화학 공업 및 유공압 산업 등 국내 모든 Process industry 에 공급하고 있으며, 특히 압력 및 온도 분야 국가교정기관으로서 ISO9001의 인증과 함께 압력 트랜스 미터, 압력계, 온도계 등의 Qualified product 를 제조 생산하여 국내 산업체에 공급하고 있다.

■ 압력계 / Pressure Gauges



MBS Series

- Dial size: 40mm, 50mm, 63mm, 75mm, 100mm
- Wetted parts: brass
- Case: Steel or plastic

MBX Series

- Dial size: 63mm, 75mm, 100mm
- Wetted parts: brass
- Case: Stainless steel

MAX Series

- Dial size: 63mm, 100mm, 160mm
- Wetted parts: St. steel
- Case: Stainless steel

CDB

- Dial size: 100mm
- Wetted parts: SS316
- Case: SS304

CDF

- Dial size: 100mm
- Wetted parts: SS316
- Case: SS304

CDI

- Dial size: 100mm
- Wetted parts: SS316
- Case: SS304

■ 압력트랜스미터 / Pressure Transmitters



EDS.210 (Ceramic)

- Piezo-resistive sensor
- Range: -1...1 bar to 0...400 bar
- Output: 4...20mA, 0...10V
- Accuracy: 1.0%

EDS.205 (Ceramic)

- Piezo-resistive sensor
- Range: -1...1 bar to 0...400 bar
- Output: 4...20mA, 0...10V
- Accuracy: 0.5%

EDS.305 (Silicon)

- Piezo-resistive sensor
- Range: -1...1bar to 0...1,000 bar
- Output: 4...20mA, 0...10V
- Accuracy: 0.5%

EDS.325 (Silicon)

- Piezo-resistive sensor
- Range: -1...1 bar to 0...1000 bar
- Output: 4...20mA, 0...10V
- Accuracy: 0.25%

EDS.315 (Scrubber)

- Piezo-resistive sensor
- Range: -25...+25 mbar to -50...+50 mbar to -250...+250 mbar to -500...+500 mbar
- Output: 4...20mA, 0...10V
- Accuracy: 0.25%



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■ 디지털 압력계 / Digital Manometers



ECO-2

- Range: -1...30bar
0...300bar
- Accuracy: ≤ 0.5%



LEO-2

- Range: -1...3bar
-1...30bar
0...300bar
0...700bar
- Accuracy: ≤ 0.1%



LEO-1

- Range: -1...3bar
-1...30bar
0...300bar
0...700bar
- Accuracy: ≤ 0.2%
- Peak measurement



LEO-3

- Range: 0...4bar abs.
0...30bar abs.
0...300bar
0...700bar
- Accuracy: ≤ 0.1%
- Output: 4...20mA



LEO-5

- Range: -1...3bar/10bar
-1...30bar
0...100bar/300bar
0...700bar/1000bar
- Accuracy: ≤ 0.05%
- All St. Steel



LEX-1

- Range: -1...2bar/10bar
-1...20bar
0...200bar/400bar
0...700bar/1000bar
- Accuracy: ≤ 0.05%
- RS485 Communication



LEO Record

- Range: -1...3bar
-1...30bar
0...300bar
0...700bar
- Accuracy: ≤ 0.2%

■ 압력트랜스미터 / Piezoresistive Pressure Transmitters



21Y

- Range: 2...1000bar
- Accuracy: 0.25%



23SY/ 25SY

- Range: -1...1000bar
- Total: 0.25%/0.1%



PRD-33X

- D/Range: 0...3bar
- Accuracy: 0.05%



33X

- Range: -1...1000bar
- Accuracy: 0.05%/0.01%



35X

- Range: -1...1000bar
- Accuracy: 0.05%
- Diaphragm type



35X HTC

- Range: 0...1000bar
- Accuracy: 0.05%
- up to 300 °C



36XW(레벨)

- Range: 1...30bar
- Accuracy: 0.1%
- Probe dia.: 22mm

■ 디지털 압력 교정기 / Digital Pressure Calibrators



Handpump K/P

- Range: -0.85...25bar
(Max.40bar)



Handpump HTP1

- Range: 0...700bar



LPX

- Range: -1...2bar
-1...10bar
- Accuracy: 0.05%



MPX

- Range: -1...10bar
-1...25bar
- Accuracy: 0.05%



HPX

- Range: 0...200bar
0...350bar
0...700bar
- Accuracy: 0.05%

■ 압력 센서 / Piezoresistive Pressure Sensors



3L

- Dia.: Ø9.5 x 4.2mm
- Range: 20...200bar



5L

- Dia.: Ø12 x 4.5mm
- Range: 10 to 200bar



6L

- Dia.: Ø13 x 4.5mm
- Range: 50 to 200bar



7L

- Dia.: Ø15 x 5mm
- Range: 10 to 200bar



9S

- Dia.: Ø21 x 5.5mm
- Range: 1 to 20bar



9FL

- Dia.: Ø21 x 5.5mm
- Range: 50 to 200bar



PD-10L

- Dia.: Ø19 x 26mm
- Range: 0.1 to 20bar

■ 세라믹 센서 / Ceramic Sensors



ME501 / 504 / 505

- Size: 18mm
- Sensor type: Flush diaphragm, Absolute(A), Gauge(R), or Sealed gauge(S)
- Supply voltage: 2...30 VDC
- Sensitivity: 1.4 to 6.0 mV/V or 2.0 to 4.8 mV/V



ME651 / 662

- Size: 18mm
- Sensor type: Monolithic, Gauge
- Supply voltage: 2...30 VDC
- Sensitivity: 1.5 to 4.2 mV/V



ME(MEP)750 / 751 / 752

- Size: 18mm
- Sensor type: Monolithic, Gauge
- Output signal: 0.5...4.5V, ratiometric 4...20mA, Current loop 0...10V, non ratiometric
- Sensitivity: 1.5 to 4.2 mV/V



ME770 / 771 / 772

- Size: 18mm
- Sensor type: Flush diaphragm, Absolute(A), Gauge(R), or Sealed gauge(S)
- Output signal: 0.5...4.5V, ratiometric 4...20mA, Current loop 0...10V, non ratiometric



ME780 / 782

- Size: 18mm
- Sensor type: Flush diaphragm, Absolute(A), Gauge(R), or Sealed gauge(S)
- Output signal: 0.5...4.5V, ratiometric Hexadecimal code Digital I2C



METALLUX