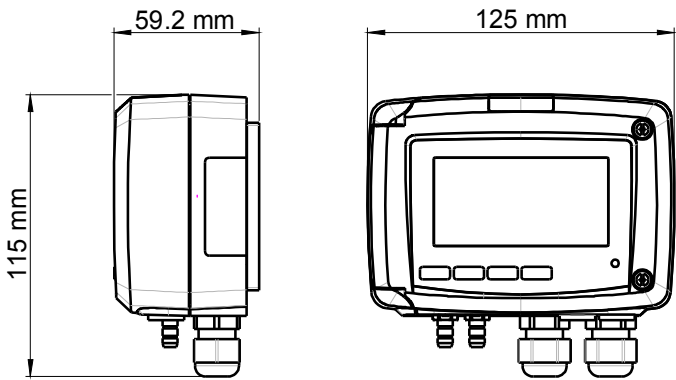


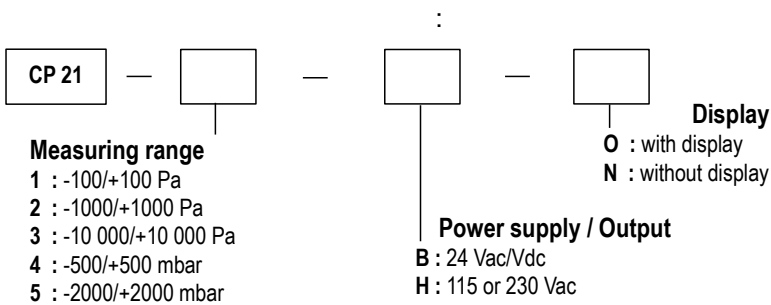
CP 210



- ± 100Pa ± 2000mbar ()
- PT100 (, -100~400)
- 가
- 0~5/10V 0/4~20mA (4wire)
- 24Vdc/ac 115/230Vac
- ABS , IP65, /
- "¼ turn" system mounting with wall-mount plate
- (CP211,CP212)



: ABS V0 as per UL94
: IP65
: 75 x 40 mm, LCD 19 digits 2 lines.
Height of digits : Values : 10 mm ; Units : 5 mm
: Ribbed Ø 6.2 mm (CP211/212)
Compression for tubes Ø4x6 mm (CP213/214/215)
Pass-through : for cables Ø 6 mm maximum
: for cables Ø 8 mm maximum
: 320 g



Example : CP 211 – HO

, ± 100Pa,
115/230Vac,

CP211/212/213 : Pa, mmH₂O, mbar, inWG, mmHG, daPa, kPa, hPa
CP214/215 : mbar, mmH₂O, kPa, inWG, mmHG, hPa, daPa, PSI
CP211/212/213/214/215 (temperature Pt100) : °C / °F

CP211/212 : ±0.5% of reading ±2 Pa ; CP213 : ±0.5% of reading ±10 Pa ; CP214 : ±0.5% of reading ±0.5 mbar
CP215 : ±0.5 of reading ±2 mbar
CP211/212/213/214/215 (Pt100 temperature) : ±0.5 % of reading ±0.5 °C

1/e (63%) 0.3 s

CP211/212 : 1 Pa ; 0.1 mmH₂O ; 0.01 mbar ; 0.01 inWG ; 0.01 mmHG ; 0.1 daPa ; 0.001 kPa ; 0.01 hPa
CP213 : 1 Pa ; 0.1 mmH₂O ; 0.01 mbar ; 0.01 inWG ; 0.01 mmHG ; 0.1 daPa ; 0.01 kPa ; 0.01 hPa
CP214 : 0.1 mbar ; 1 mmH₂O ; 0.01 kPa ; 0.1 inWG ; 0.1 mmHG ; 0.1 hPa ; 1 daPa ; 0.01 PSI
CP215 : 1 mbar ; 1 mmH₂O ; 0.1 kPa ; 0.1 inWG ; 1 mmHG ; 1 hPa ; 1 daPa ; 0.1 PSI

CP211/212 : 21 000 Pa – CP213 : 69 000 Pa – CP214 : 1400 mbar – CP215 : 4100 mbar

*All the accuracies indicated in this technical datasheet were stated in laboratory conditions, and can be guaranteed for measurements carried out in the same conditions, or carried out with calibration compensation.

	24 Vac / Vdc ±10 % 115 Vac or 230 Vac ±10 %, 50-60 Hz
	2 x 4-20 mA or 2 x 0-20 mA or 2 x 0-5 V or 2 x 0-10 V (4 wires) Maximum load : 500 Ohms (0/4-20 mA) Minimum load : 1 K Ohms (0-5/10 V)
Galvanic isolation	Inputs and outputs (115 Vac/230 Vac models) Outputs (24 Vac/Vdc models)
	5 VA
	EN61326
	Screw terminal block for cables 2.5 mm ²
PC	Kimo USB-Mini Din cable
	Air and neutral gases
	Manual by push-button ; Automatic by solenoid valve (only CP211/CP212)
	Air and neutral gases
	From 0 to +50 °C
	From -10 to +70 °C

Transmitter	Pressure range	Air velocity range*
CP211	-100/+100 Pa	From 3 to 10 m/s
CP212	-1000/+1000 Pa	From 3 to 30 m/s
CP213	-10 000/+10 000 Pa	From 3 to 100 m/s
CP214	-500/+500 mbar	Not available
CP215	-2000/+2000 mbar	Not available

* DEBIMO(: 0.81)

[CP211,212,213 가]

Class 210
, , 1 2 가 .
(, DEBIMO, ,) 가 .(SQR/3)

Features	Measuring ranges	Units and resolutions
Air velocity*	From 3 to 100 m/s (according to model)	0.1 m/s – 0.1 fpm
Air flow*	From 0 to 100 000 m ³ /h (according to air velocity and section)	1m ³ /h – 0.1 m ³ /s – 1 dam ³ /h 0.1l/s – 1 cfm

*Differential pressure device (Pitot tube, Debimo...) as option

• **Air velocity calculation :** $V = C_M \sqrt{\frac{2 \Delta P}{\rho}}$

With :

C_M : differential pressure device coefficient

- Pitot tube type L : $C_M = 1.0015$

- Pitot tube type S : $C_M = 0.84$

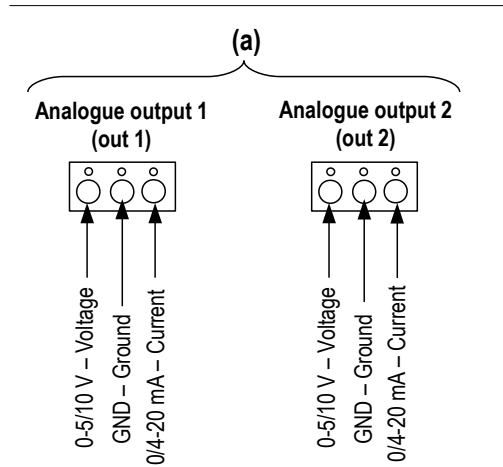
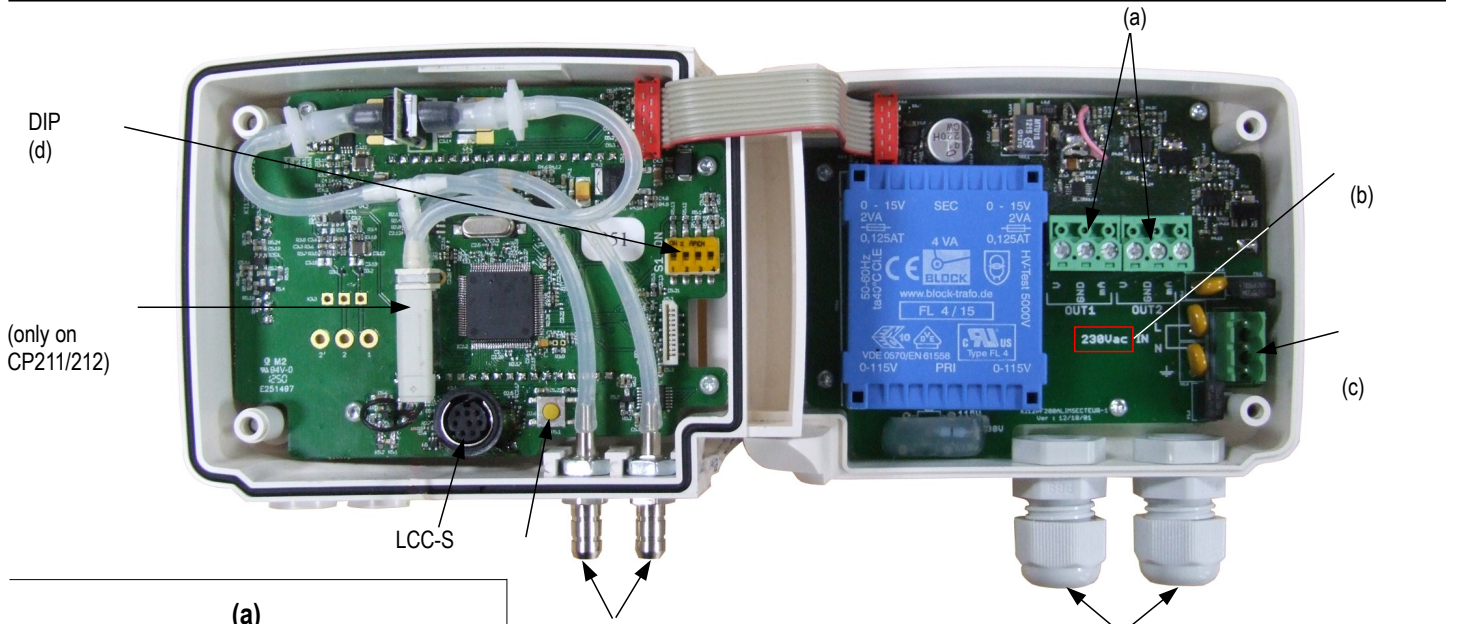
-Debimo blade : $C_M = 0.8165$

Θ : given temperature (°C)

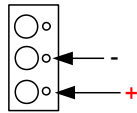
P_o : given atmospheric pressure (Pa)

$$\rho = \frac{P_o}{287.1 \times (\Theta + 273.15)}$$

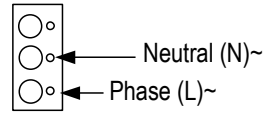
• **Air flow calculation :** Air flow (m³/h) = air velocity (m/s) x surface (m²) x 3600
Surface : setting of duct type (rectangular or circular) and duct size (mm or inch).



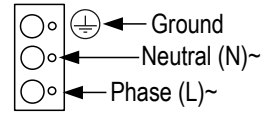
(c) For power supply 24 Vdc models



or (c) For power supply 24 Vac models



or (c) For power supply 230 Vac, 115 Vac models

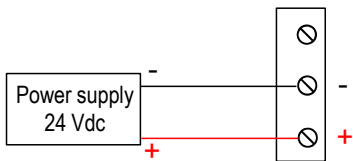


– as per NFC15-100 standard

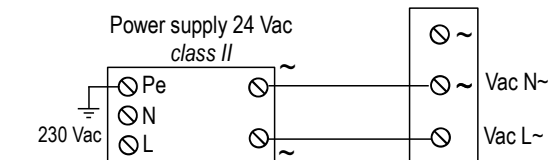


(b)

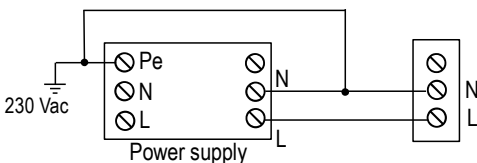
> For transmitters with 24 Vdc power supply :



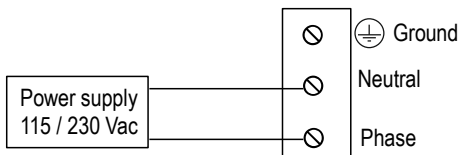
> For transmitters with 24 Vac power supply :



ou



> For transmitters with 115 or 230 Vac power supply :

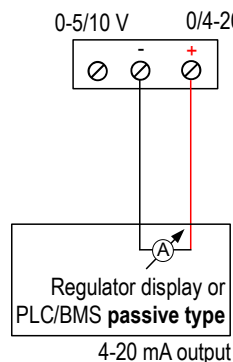


가

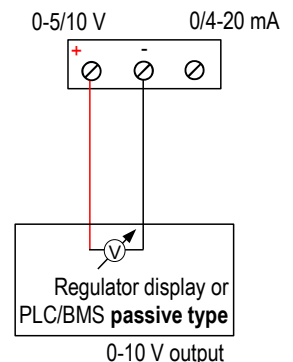
(0~10V 0~5V) / (4~20mA 0~20mA)
DIP 가

Configurations	4-20 mA	0-10 V	0-5 V	0-20 mA
Combinations				
	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4

> Connection of the output in current 4-20 mA :



> Connection of output in voltage 0-10 V :



가

Class310 트랜스미터는 온도보상 기능 및 자가 교정 시스템을 채택해, 장기간 측정에서 안정적이고 훌륭한 정밀도를 제공합니다.

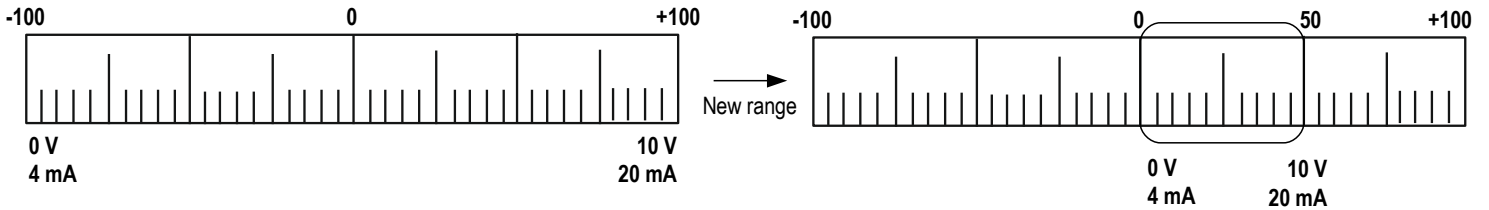
원리 : 마이크로프로세서가 전기 밸브를 정밀하게 제어함으로써 장기간 측정에도 편차 없이 민감한 센서 상태를 유지합니다. 자동 영점 조정 기능을 통해 트랜스미터가 설치된 환경에 영향을 받지 않고 정밀한 압력 측정이 가능합니다.

솔레노이드밸브 수명 : 100,000,000 사이클
이점 : 자동 영점 조정
영점 조정 주기 : 1~60 분 간격 설정 또는 해지
Autozero

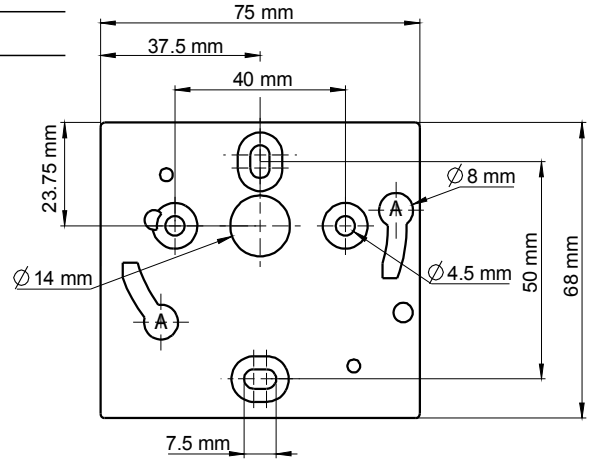
CP211 CP212² 가 auto Z" 가

Class 210 가 : , , , , ,

- () : (Class 210)
 - (,) : 가 (LCC-S)
- 가 : (20)



ABS (6mm)
 ABS " " 가



PLC/BMS) 가 0V, 5V, 10V 4mA, 12mA, 20mA /
 : Class 210

- LCC-S : (USB)
- SQR/3 function : ()
- Calibration certificate :

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