

New
CE

CP 300



ABS, ALU



- * 0 ~ ± 10 Pa, 0 ~ ± 10,000 Pa
- * 0.1 Pa (CP301) , 가 (SPI)
- * 1 ~ 4
- * KIMO Class200, Class300
- * 1 K (CP300)
- * 2 x 4 ~ 20mA(4 wires), 0 ~ 10V RS232
- * 2 RCR (6 A / 230Vac)
- * LED 80 dB
- * MODBUS RS485 ()
- * IP65 ABS,
- *

- 1 -100/+100 Pa
- 2 -500/+500 Pa
- 3 -1000/+1000 Pa
- 4 -10 000/+10 000 Pa

- B 24 Vac/Vdc • 0-10 V or 4-20 mA
- M 115 Vac • 0-10 V or 4-20 mA
- H 230 Vac • 0-10 V or 4-20 mA

- O With display
- N Without display

- P ABS
- A ALU



-SPI
-Pa, mmH₂O, inWG, mmHg
- ± 0.5 % ± 1 Pa (CP301/302/303)
- ± 0.5 % ± 0.8 Pa (0.1 Pa)
- ± 0.5 % ± 10 Pa (CP304)
-
-0.1 Pa, 0.01mmH₂O, 0.01inWG, 0.01 mmHg
- , 가

Class 300
2

		/
	2 to 100 m/s (SPI)	0,1 m/s - 0,1 fpm
	0 to 100 000 m ³ /h ()	1 m ³ /h - 0,1 m ³ /s 0,1 l/s - 1 cfm

-ABS ALU()
-ABS : V 0 as per UL94

.....IP65

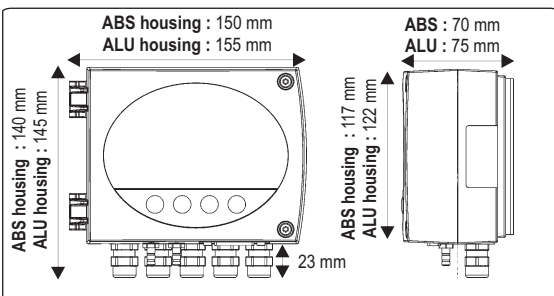
-1 ~ 4
- 70 x 38 mm
- PMMA

: ABS - , Ø7mm

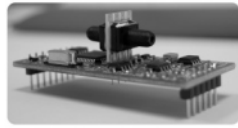
ALU - , Ø9mm

: Ø6.2mm

: ABS - 800g, ALU - 1,300g ()



■ SPI



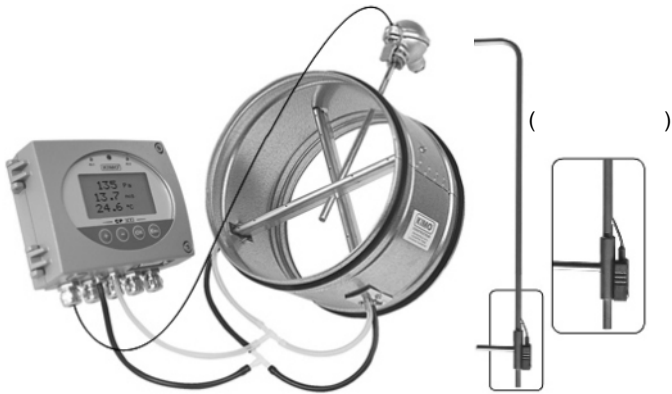
SPI
 가 . SPI
 가 . 가 ,
 가 .

■ SPI

SPI		
SPI 100	-100/+100Pa	2 to 10 m/s
SPI 500	-500/+500 Pa	2 to 22 m/s
SPI 1000	-1000/+1000 Pa	2 to 30 m/s
SPI 10000	-10 000/+10 000 Pa	2 to 100 m/s

10%
 : CP301, CP302, CP303 - 25,000 Pa
 CP304 - 70,000 Pa
 : 1/e (63%) 0.3
 :
 : 60mm, 25 mm
 : 0 ~ + 50
 : -10 ~ 70

■ /
 ,
 .. (SQR/2)



Air velocity (m/s) = C_M x C_C x C_T x √ pressure in Pa

C_M : coefficient of the differential probe
 C_C : coefficient to adapt the measuring system to the specifications of your air movement conditions.
 C_T : temperature compensation coefficient, with the formula below :

$$C_T = \sqrt{\frac{574,2 \times \text{temp. (}^\circ\text{C)} + 156842,77}{101325}}$$

Airflow (m³/h) = air velocity (m/s) x surface (m²) x 3600

Surface : setting of duct type (rectangular or circular) and duct dimensions (in mm or in inches).

K
 ,
 K ()
 - 200 ~ +1,300
 ,
 0.1 , 0.1

■
24 Vac/dc ± 10%
 115 Vac/dc ± 10%, 50 ~ 60Hz
2 x 4 ~ 20mA 0 ~ 10V (4 wire)
 500 Ohms (4 ~ 20 mA)
 1 K Ohms (0 ~ 10V)

.....
 (on 115Vac / 230Vac models)
5 VA
2 RCR 6A / 230Vac
 80 dB buzzer, 2 LED
EN 61 326
 Ø 1.5 mm² max

RS485 Modbus RTU system
 2,400 ~ 115,200 Bauds

RS232 ASC2
0 ~ + 50
 - 10 ~ + 70
 , 가

■ /
 Class 300 2 x (LED)
 2 x 4

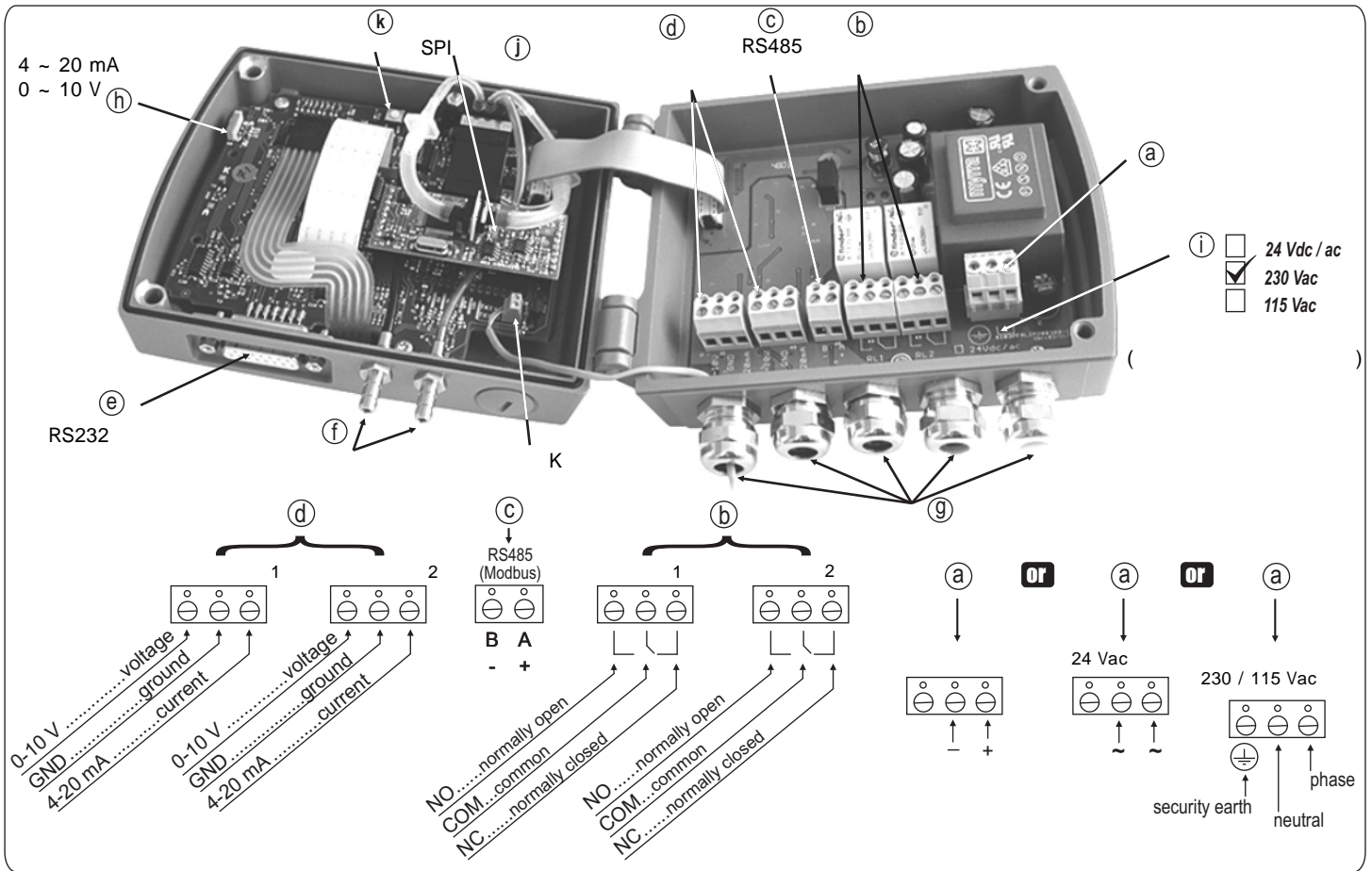
- (, , ...)
 - 1 ~ 2 ()
 - / 60
 - 80 dB LED
 -

■ Class 300

: 가
 가
 100,000,000

 1 ~ 60

■
 (0 ~ 9)
 가 ,



/ (NFC15-100 Norm)

24 Vdc

24 Vac

115 230 Vac

(4 ~ 20mA) (1 ~ 10V)

(h)

Down 0-10 V

Up 4-20 mA

4 ~ 20 mA

0 ~ 10 V

RS232 / RS 485 SUB-D15

(e)

Pin #	Description
1	NC *
2	NC *
3	NC *
4	B - (RS 485)
5	A + (RS 485)
6	NC *
7	NC *
8	NC *
9	RX (RS 232)
10	NC *
11	TX (RS 232)
12	NC *
13	NC *
14	NC *
15	GND (RS 232)

! :
NC * =

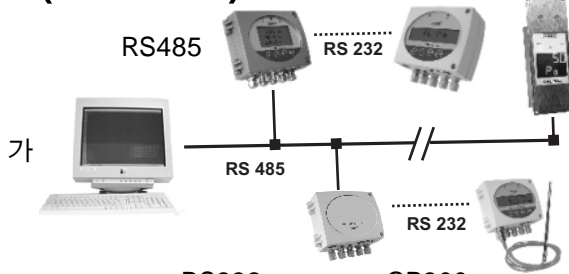
RS 232

- CP300 Class200/300
2 RS232
: CP300 TH200/300 가
- RS232 LCC - 300
- RS232 2m, 5m, 10m



Modbus (RS 485)

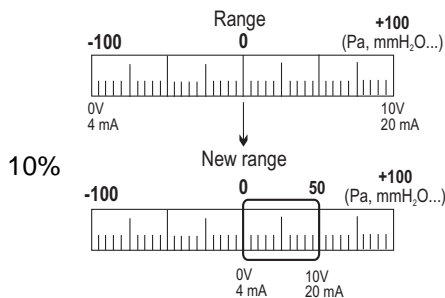
- Class300 RS485 RS 232 가
- Class200/300 RS232 CP300 RS485 PLC/BMS 가
- RS485 2 RTU PLC/BMS . CP300 가



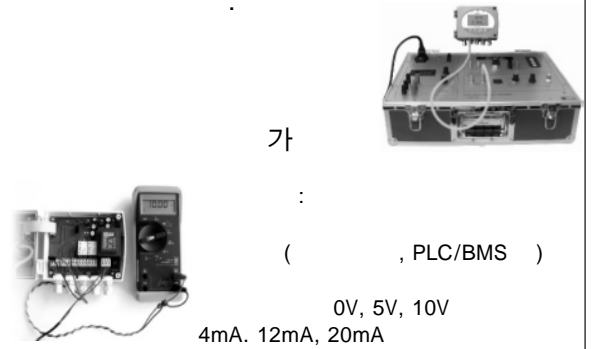
4가

- () : LCC - 300
- () : PC

100% 가



:



가

:

(, PLC/BMS)

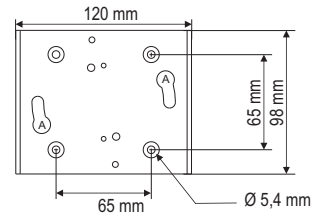
0V, 5V, 10V
4mA, 12mA, 20mA

• Class300

• (SPI)

8mm

30 °



가

■ SQR/2 /

■ LCC - 300 RS485 RS232

■ 0.1 Pa (CP301)

K