

# ATEX Compliant Smart Positioner (Lever type/Rotary type)

# Series 52-IP8001/8101



II 1G Ex h ia IICT4/T5/T6 Ga  
T4..T5: Ta = -20°C to 80°C T6: Ta = -20°C to 60°C

## How to Order

ATEX Directive Intrinsically  
Safe Explosion Proof

52-IP8001-034-□-□-□

### ATEX directive compliance

52	ATEX directive category 1 Intrinsically safe explosion-proof
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### Type

001	Smart lever type
101	Smart rotary type

### Pressure gauge Note

Symbol	Pressure gauge	Applicable model	
		IP8001	IP8101
1	0.2 MPa	●	—
2	0.3 MPa	●	—
3	1.0 MPa	●	●

### Specifications

4	Intrinsically safe explosion proof (ATEX) + output function + HART communication
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### Accessories Note 1)

Symbol	Accessories	Applicable model	
		IP8001	IP8101
Nil	None	●	●
C	With fork lever type fitting M	—	●
D	With fork lever type fitting S	—	●
E	For stroke 35 to 100 mm with lever unit <small>Note 2)</small>	●	—
F	For stroke 50 to 140 mm with lever unit <small>Note 2)</small>	●	—
H	With external scale plate <small>Note 3)</small>	—	●
W	Body with LCD window	●	●

Note 1) If two or more accessories are required, the part numbers should be given in alphabetical order.  
ex. 52-IP8101-034-CH

Note 2) Standard lever is not attached.

Note 3) For side mounting, select "W" and check the control position by viewing the LCD display value.

### ATEX temperature

Symbol	ATEX temperature	Applicable model	
		IP8001	IP8101
Nil	T4	●	●
T6	T5/T6	●	●

### Connection

Symbol	Air	Electric
Nil	Rc1/4	G1/2
M <small>Note)</small>	Rc1/4	M20 x 1.5
N	Rc1/4	1/2NPT
1	1/4NPT	G1/2
2 <small>Note)</small>	1/4NPT	M20 x 1.5
3	1/4NPT	1/2NPT
4	G1/4	G1/2
5 <small>Note)</small>	G1/4	M20 x 1.5
6	G1/4	1/2NPT

Note) When the symbol is M, 2, or 5 for 52- ATEX directive items, a blue cable gland is included with the electrical connection.

## Specifications

Classification	Ambient temperature range	
	52-IP8□01	52-IP8□01-T6
II 1G Ex h ia IICT4 Ga	-20°C ≤ Ta ≤ +80°C	—
II 1G Ex h ia IICT5 Ga	—	-20°C ≤ Ta ≤ +80°C
II 1G Ex h ia IICT6 Ga	—	-20°C ≤ Ta ≤ +60°C

All other specifications are the same as the standard products Series IP8□.  
[Click here](#) for details.