

# TOKA

## Oxygen Detection Unit (Intrinsic Safety Type)

# TCIS-AO2



Indicator unit



4~20mA Output

### 《Feature》

- Intrinsic safety structure (Exia II CT4)
- Explosion proof for hot environment (Ta 50°C)
- A variety of system that combined by 4-20mA output
- Digital display

TOKA SEIKI CO., LTD

T0809030A (TK)

## 《Summary》

This equipment could display level of oxygen at detection unit and also transmit 4-20mA signal to indicator unit. (DC24V 2 line transmission system)  
Pursuant to recommended practices 2006 for explosion-protected electrical installations in general industries, maintain explosion proof till 50°C ambient temperature. (Usually 40°C) So this equipment could use at high-temperature environment with safety.

## 《Specification》

### Detection unit

Model	TCIS-A02
Principle	Galvanic cell
Measuring gas	Oxygen
Sampling method	Diffusion type
Measuring range	0~25%
Accuracy	±0.7% O <sub>2</sub> (JIS T8201)
Output of detection unit	4~20mA DC
Respond speed	Within 20 second 90% response
Dimension	120 (W) × 156 (H) × 69 (D) mm
Weight	About 1.5 kg
Structure	Exia II CT4 (Ambient temperature 50°C, Safety barrier MTL-787S+)
Operating temperature	-20~50°C Below 90%RH
Option	Water-proof cover

### Example of indicator unit (Using one point of T0-303)

Measuring range	0~25%
Accuracy	±0.7% O <sub>2</sub> (JIS T8201)
Alarm setting level	1.8% (Flexible setting)
Alarm Accuracy	±0.3% O <sub>2</sub>
Power	AC 100V
Power consumption	MAX. 7VA
Dimension	120 (W) × 206 (H) × 73 (D) mm
Weight	About 1.0 kg
Outside warning contact	No-voltage 1c POC (AC125V, 1A)
Indicating lamp	Operation lamp : Green LED lighting Warning lamp : Red LED blinking
Warning sound	Electronic buzzer (intermittent tone)
Condition	-20~50°C 90%RH below
Mounting	Wall-mounted type (Option for flush-mounted type)

● CALL TO YOUR LOCAL AGENT

THINK TOMORROW'S ENVIRONMENT ....

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