Furnace gas monitor
SD-2500 SPECIFICATION

Detection principle	Catalytic combustion method
Detectable gas	NMP
Gas concentration display	LED(4digits・7segments)
Measuring range	0〜100%LEL
Resolution	0.5%LEL
Detection method	Direct-insert method
Alarm preset point	25%LEL【Standard】
Power indication	POWER lamp lighting(green)
Output	Gas concentration signal Alarm contact(Gas alarm or Trouble alarm or Gas・Alarm common alarm)
Alarm accuracy (under an identical condition)	Less than ±25%(against alarm preset point)
Alarm-delay time (under an identical condition)	Less than 30sec(when introducing 1.6 times thicker gas than alarm preset point)
Gas alarm type	Single alarm(H)
Gas alarm indication	ALM lamp lighting(red)
Gas alarm action	Auto-recover
Trouble alarm・Self diagnosis	System failure/Sensor failure
Trouble alarm indication	FAULT lamp lighting(yellow)/content display
Trouble alarm action	Auto-recover
Alarm contact	No-voltage contact 1a or 1b Non-exciting at normal(exciting at alarm) or exciting at normal(non-exciting at alarm)
Contact capacity	AC250V・0.5A/DC30V・0.5A(resistive load)
Transmission scheme	Three-wire analog transmission (in common with power supply<power supply,signal,common>)
Specification of transmission	DC4〜20mA (linear・load resistance less than 300Ω・resolution ability 200division)
Transmission cable	CVVS worth of shield cable(1.25sq)・3-core or 5-core (by using alarm contact)
Transmission distance	Less than 1km
Power supply	DC24V(DC20〜26.4V)
Power consumption	MAX.3W
Cabling port	Flame proof packing method
Initial clear	Approx.25sec
Operating temperature	Sensor：0〜160℃(non-rapidly-vary) Case：0〜50℃(non-rapidly-vary)
Structure	Direct-insert type
Explosion-proof structure	Flame proof structure
Explosion-proof grade	Exd II CT3(TIIS,Japan)
Explosion-proof approval No.	TC19172(TIIS,Japan)
Outer dimension	Approx.148(W)×167(H)×458(D)mm(projection excluding)
Weight	Approx.4.6kg
Color	Munsell 7.5BG5/2

Outline Drawings

SENSOR GUARD PROBE HOUSING BODY CASE LID

A

A

φ105
4-φ15

SECTION A-A

458

250 (125)

83

SENSOR

φ130

φ34

GASKET 10 FLANGE

DISPLAY

148

119

167

CABLE ENTRY