

FSP

Flame Simulator, Checker and Analog Flame Meter for the AUR

The FSP series flame simulator, checker and analog flame meter are optimal support tools for maintenance or troubleshooting of a flame safeguard control system. If something abnormal has occurred in the control system, diagnosis of the problem and checking are easily done using the simulated combustion flame and associated FSP devices.

- FSP300C : Flame simulator
- FSP350A : Checker
- FSP450A : Checker
- FSP136A : Analog flame meter



Specifications

● FSP300C

Compatible models	AUR300C/350C, AUR400C/450C
Operating temperature	0 to 5°C
Operating humidity	30 to 90% RH
Mounting direction	(No limitations)
Mass	100g

● FSP350A

Compatible models	AUR300C, AUR350C
Operating temperature	0 to 5°C
Operating humidity	30 to 90% RH
Mounting direction	Same as that of AUR300C and AUR350C
Power	100Vac 50/60Hz, 200Vac 50/60Hz
Power consumption	17W max. (including AUR350 power consumption)
Mass	250g

● FSP450A

Compatible models	AUR400C, AUR450C
Sequence operation check	Operation sequence during normal operation, operation at start check, operation at ignition failure, operation at flame failure, operation at interlock, 7-segment display for 0–5Vdc flame signal.
Operating temperature	0 to 5°C
Operating humidity	30 to 90% RH
Mounting direction	Control panel facing upward
Power	100Vac 50/60Hz, 200Vac 50/60Hz
Power consumption	32W max. (when driving the AUR450)
Mass	300g

● FSP136A

Compatible models	AUR300C/350C, AUR400C/450C, R4750, R4780, FRS100B/C, etc.
Operation principle	Moving-coil type
Operating/storage temperature	0 to 40°C
Operating/storage humidity	80% RH at 40°C (no condensation allowed)
Body direction during operation	Vertical (using strap on top of body)
Indication accuracy	FS \pm 2.5%
Recorder output accuracy	FS \pm 2.5%
External dimensions	60D x 105W x 180H (mm)
Color	Black
Mass	Approx. 450g

Selection Guide

Model No.	Description
FSP300C100	Flame simulator for AUR300C/350C, AUR400C/450C
FSP350A100	Checker for AUR300/350
FSP450A100	Checker for AUR400/450
FSP136A100	Analog flame meter

(Unit: mm)

[illegible]

255

FDFP08A-100

IN

OUT

0.00

MODE

UNIT

FREQ

HOLD

STOP

START

RESET

POWER

GND

VCC

I/O

EXT

SIMPLETECH

195

[illegible]

Probe

Banana-shaped terminal

545

Diagram of the recording cable. The cable has a "Plug for recorder" at one end and a "Crimp terminal" at the other. A dimension line below the cable indicates a length of 1560.