

# Digital Fiber Sensor FX-100 SERIES

Related Information

- General terms and conditions..... P.1
- Sensor selection guide.....P.11~ / P.61~
- Glossary of terms / General precautions...P.983~ / P.986~
- Fiber selection..... P.63~

- FIBER SENSORS
- LASER SENSORS
- PHOTOELECTRIC SENSORS
- MICRO PHOTOELECTRIC SENSORS
- AREA SENSORS
- SAFETY COMPONENTS
- PRESSURE SENSORS
- INDUCTIVE PROXIMITY SENSORS
- PARTICULAR USE SENSORS
- SENSOR OPTIONS
- WIRE-SAVING SYSTEMS
- MEASUREMENT SENSORS
- STATIC CONTROL DEVICES
- LASER MARKERS

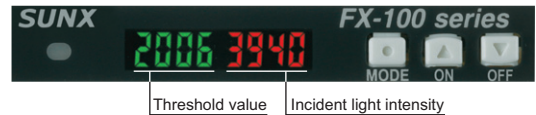


- PNP output type available
- Timer
- Interference prevention
- Light intensity monitor
- Automatic sensitivity setting
- Test input

## Taking fiber sensors to the next level

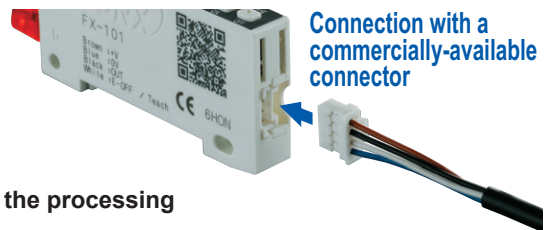
### Setup is made simple, using a dual digital display

The dual digital display allows users to check both the threshold value and incident light intensity at the same time, allowing for clear and intuitive control of the sensor's functions. The threshold value can be adjusted simply by pressing the  $\Delta$  (UP) key or the  $\nabla$  (DOWN) key, so that the output operation can be controlled with high precision, directly from the RUN mode.



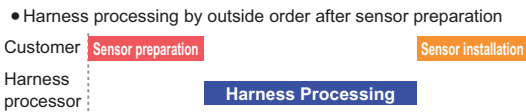
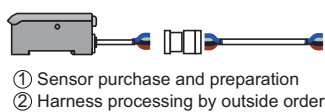
### Commercially-available connectors are used so that lead time and spare part numbers can both be reduced

The connectors used are commercially-available connectors, so that processing costs and lead time required for carrying out processing after purchase of the sensors can be greatly reduced. The same connection parts as the DP-100 series of digital pressure sensors and the PM-64 series of micro photoelectric sensors can be used.

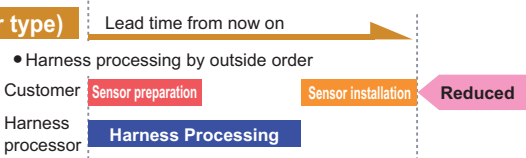
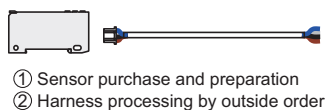


Commercially-available press-fit connectors are used, so that the processing costs for connection cables can be greatly reduced.

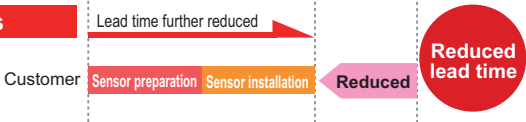
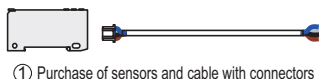
#### Conventional (cable type)



#### From now on (built-in connector type)



#### Using cables with connectors



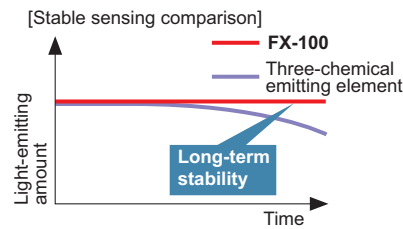
### Saving-space with a width of 9 mm 0.354 in

The sensor is very slim, yet equipped with a dual digital display. Both space saving and ease of use have been achieved.



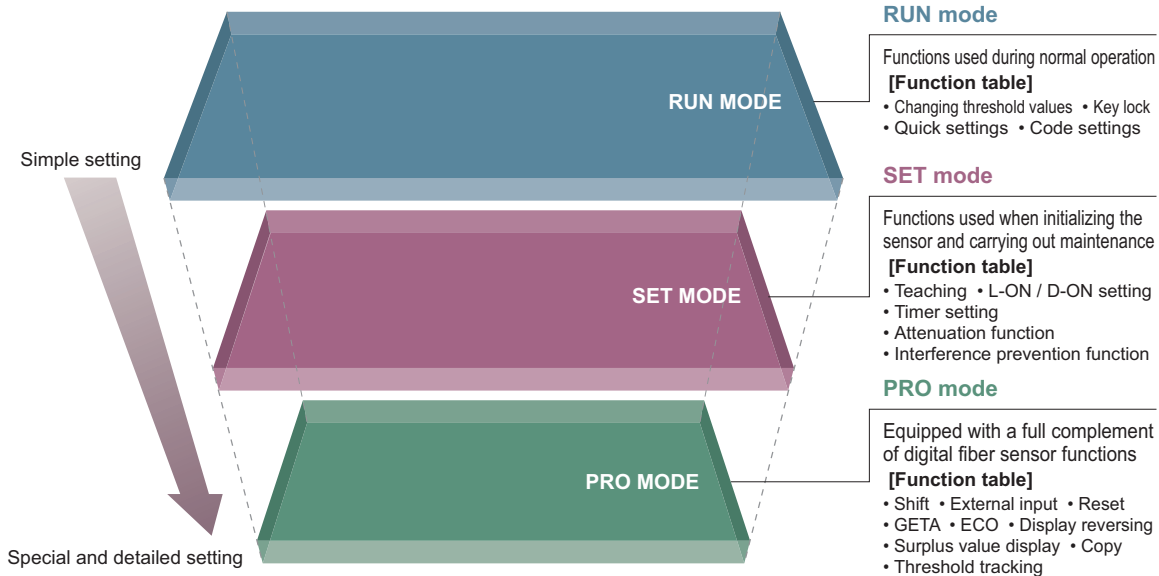
### Equipped with a four-chemical emitting element

A stable amount of emitted light is ensured due to control of the aging of the emitting element to the maximum limit.



### A three level navigation structure provides easy access to the sensor's functions, from basic to advanced

Setting details are divided into three levels for simple operation, so that settings for normal operation are made in "RUN mode", basic settings are made in "SET mode", and advanced functions are set in "PRO mode". This makes configuration much easier to understand and carry out.



### Quick code input function [RUN mode]

Sensor settings can be made simply by selecting preset values.



### Quick setting numbers (summary)

No.	Output operation	Light-emitting amount selection	Timer
-00-	Dark-ON	OFF	None
-01-	Dark-ON	ON	None
-02-	Dark-ON	OFF	OFF-delay 10 ms
-03-	Dark-ON	ON	OFF-delay 10 ms
-10-	Light-ON	ON	ON-delay 40 ms
-11-	Light-ON	OFF	ON-delay 40 ms
-12-	Light-ON	ON	ON-delay 10 ms
-13-	Light-ON	OFF	ON-delay 10 ms

### Smooth support via telephone [RUN mode]

Confirmation can be carried out smoothly via telephone by simply quoting numbers. This can be of great assistance when dealing with foreign country customers.



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Selection Guide

Fibers

FT / FD / FR

Fiber sensor Amplifiers

**FX-100**

**FX-300**

**FX-410**

**FX-311**

**FX-11A**

**FX-301-F**

Other Products