

Digital Fiber Sensor

FX-100 SERIES

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

Related Information

■ General terms and conditions..... P.1

■ Glossary of terms / General precautions...P.983~ / P.986~

■ Sensor selection guide.....P.11~ / P.61~

■ Fiber selection..... P.63~

NEW



SUNX website <http://www.sunx.com>

CE
Conforming to
EMC Directive



PNP output
type available



Timer



Interference
prevention



Light intensity
monitor



Automatic
sensitivity setting



Test input

Taking fiber sensors to the next level

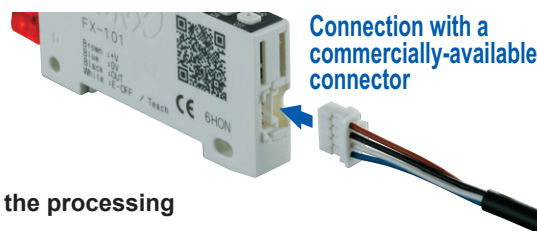
Setup is made simple, using a dual digital display

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 Δ (UP) key or the ∇ (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)

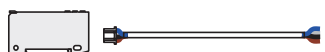


- ① Sensor purchase and preparation
- ② Harness processing by outside order

• Harness processing by outside order after sensor preparation



From now on (built-in connector type)

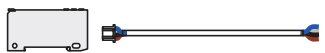


- ① Sensor purchase and preparation
- ② Harness processing by outside order

• Harness processing by outside order



Using cables with connectors



- ① Purchase of sensors and cable with connectors



ORDER GUIDE
P.126~LIST OF FIBERS
P.128~SPECIFICATIONS
P.133I/O CIRCUIT DIAGRAMS
P.134~SENSING CHARACTERISTICS
P.135~PRECAUTIONS FOR PROPER USE
P.136~DIMENSIONS
P.138

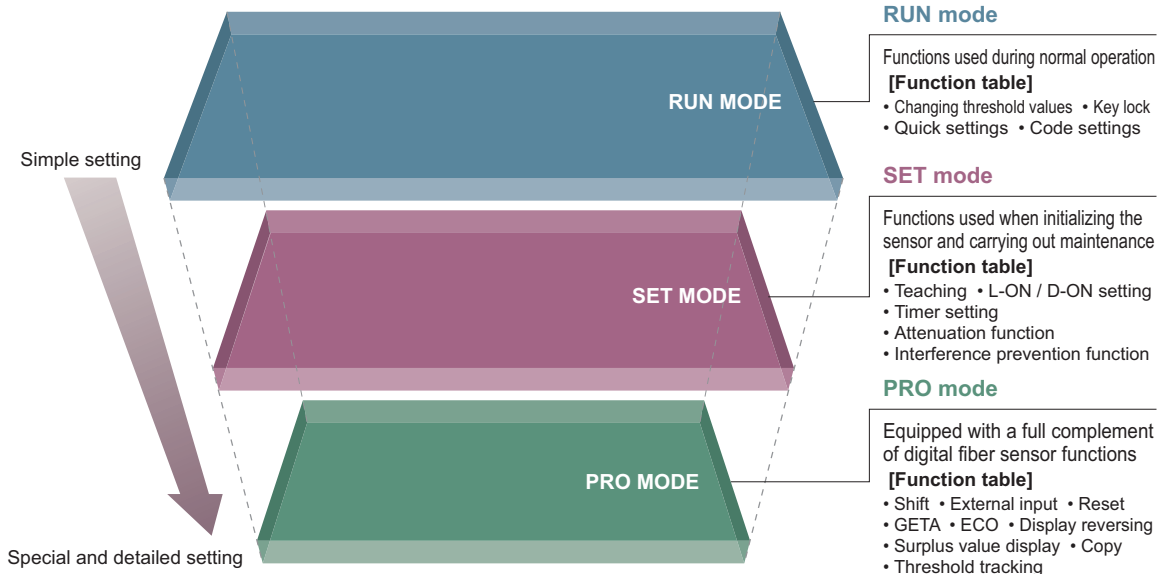
Saving-space with a width of 9 mm 0.354 in

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



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

