

High-level Self-diagnosis by the Sensor Itself

Self-Monitoring Sensor



Emission power: 3 times the conventional ratio, Sensing range: 1.6 times max.!



Digital Fiber Sensor

FX-550L SERIES

Largely improved stability and ease of use due to higher emission power and broader utility! This digital fiber sensor realizes longer sensing range than expected even with thin fibers.

Typical fiber combination examples

Fibers in combination with FX-550L series		Sensing range	
Type	Model No.	STD mode	
Thru-beam type	Thin diameter M3 tough fiber	FT-31	480 mm 18.898 in
	Standard M4 tough fiber	FT-42	1,470 mm 57.874 in
Reflective type	Thin diameter M4 tough fiber	FD-41	200 mm 7.874 in
	Standard M6 tough fiber	FD-61	620 mm 24.409 in

FX-550L series event functions			
Error level	Sensor display	State	
Normal	Displays incident light intensity.	Unstable light incidence or unstable light interruption	Notification information
Warning	Displays incident light intensity.	Operation hours exceeded	
Warning	Displays incident light intensity.	Nonvolatile memory writing frequency exceeded	
Error	Er11	Short-circuited output	
Error	Er01	Nonvolatile memory error	
Error	Er02	Nonvolatile memory writing error	

For details on the FX-550L series, refer to page 8 onwards.

Dual 3-color display makes operation easier!



Dual Display Digital Pressure Sensor

DP-100L SERIES

Displays the current value and the threshold value at the same time and allows the threshold value to be set directly. Operations can be performed smoothly without switching the screen mode.

Type and rated pressure range

Type	Model No.	Rated pressure range
For low pressure	DP-101ZL3-M-P(-C)	-100.0 to +100.0 kPa
For high pressure	DP-102ZL3-M-P(-C)	-0.100 to +1.000 MPa

DP-100L series event functions			
Error level	Sensor display	State	
Normal	E-3	Application of pressure during zero-adjustment	Notification information
Normal	E-4	Zero-adjustment outside the rated pressure	
Warning	Displays pressure value.	Operation hours exceeded	
Warning	Displays pressure value.	Nonvolatile memory writing frequency exceeded	
Error	E-1	Short-circuited output	
Error	1010	Pressure element error	

For details on the DP-100L series, refer to page 12 onwards.