

INDEX

■ Fiber Selection Guide	Choose by model	2
	Choose by shape/application	3
	How to read Model No.	4
	Earlier model comparison table	6
■ New Product Introduction	Tough Fiber	8
■ Fibers	Super Quality	10
	Threaded Type	12
	Square Head Type	14
	Cylindrical Type	16
	Sleeve	18
	Flat Type	20
	Small Spot	22
	Narrow Beam	24
	Wide Beam	25
	Convergent Reflective Type	26
	Retroreflective Type	27
	Chemical / Oil-resistant	28
	Heat-resistant	30
	Vacuum-resistant	32
Liquid Leak / Liquid Detection	34	
■ Fiber Options		42
■ Semi-custom Fibers		46
■ Fiber Dimensions	Thru-beam Type	48
	Retroreflective Type	55
	Reflective Type	56
	Others	66
■ Amplifiers	FX-500 series Ver.2	70
	FX-100 series	98
■ INDEX		112

Fiber Selection Guide

Choose by model

Thru-beam type

Model No.	Page	
	Sensing range Specifications	Dimensions
FT-140	P.12	P.48
FT-30	P.11	
FT-31	P.12	
FT-31S	P.19	
FT-31W	P.12	
FT-40	P.11	
FT-42	P.12	
FT-42S	P.19	
FT-42W	P.12	
FT-43		
FT-45X	P.25	
FT-A11		
FT-A11W		
FT-A32		
FT-A32W		
FT-AL05		
FT-E13		P.16/P.19
FT-E23		
FT-F93		P.35
FT-H13-FM2		P.30
FT-H20-J20-S		
FT-H20-J30-S		
FT-H20-J50-S		
FT-H20-M1		
FT-H20-VJ50-S		
FT-H20-VJ80-S		
FT-H20W-M1		
FT-H30-M1V-S	P.32	
FT-H35-M2	P.30	
FT-H35-M2S6	P.29	
FT-HL80Y	P.24	
FT-KS40		
FT-KV26		
FT-KV40		
FT-KV40W		
FT-L80Y		P.29
FT-R31		P.15
FT-R40		P.12
FT-R41W		P.15
FT-R42W		
FT-R43	P.15/P.29	
FT-R44Y		
FT-R60Y	P.16	
FT-S11		
FT-S20		
FT-S21		
FT-S21W		
FT-S30		
FT-S31W		
FT-S32		
FT-V23		P.19
FT-V24W		
FT-V25		
FT-V30	P.16	
FT-V40		
FT-V80Y		
FT-Z20HBW		
FT-Z20W	P.20	

Retroreflective type

Model No.	Page	
	Sensing range Specifications	Dimensions
FR-KZ22E	P.24/P.27	P.55
FR-KZ50E		
FR-KZ50H		
FR-Z50HW		

Model No.	Page	
	Sensing range Specifications	Dimensions
FT-Z30	P.20	P.53
FT-Z30E		
FT-Z30EW		
FT-Z30H		
FT-Z30HW		
FT-Z30W		
FT-Z40HBW		
FT-Z40W		
FT-Z802Y		P.29

Reflective type

Model No.	Page		
	Sensing range Specifications	Dimensions	
FD-30	P.11	P.56	
FD-31	P.13		
FD-31W			
FD-32G			
FD-32GX			
FD-40	P.11		
FD-41	P.13		
FD-41S	P.19		
FD-41SW	P.13		
FD-41W			
FD-42G	P.13/P.23	P.57	
FD-42GW			
FD-60	P.11		
FD-61	P.13		
FD-61G	P.19		
FD-61S	P.13		
FD-61W	P.13		
FD-62	P.13		
FD-64X	P.25		
FD-A16	P.17/P.19		P.58
FD-AL11			
FD-E13			
FD-E23			
FD-EG30	P.13/P.23		
FD-EG30S	P.19		
FD-EG31	P.13/P.23		
FD-F4	P.35	P.59	
FD-F41			
FD-F41Y			
FD-F71			
FD-F8Y			
FD-FA93			
FD-H13-FM2	P.31		P.60
FD-H18-L31			
FD-H20-21			
FD-H20-M1			
FD-H25-L43			
FD-H25-L45			

Model No.	Page		
	Sensing range Specifications	Dimensions	
FD-H30-KZ1V-S	P.32	P.61	
FD-H30-L32	P.31		
FD-H30-L32V-S	P.32		
FD-H35-20S	P.31	P.62	
FD-H35-M2			
FD-H35-M2S6	P.35		
FD-HF40Y	P.26		
FD-L10			
FD-L11			
FD-L12W			
FD-L20H			
FD-L21			
FD-L21W			
FD-L22A			
FD-L23			
FD-L30A		P.15/P.23	
FD-L31A			
FD-L32H			
FD-R31G			
FD-R32EG			
FD-R33EG			
FD-R34EG			
FD-R41	P.15		
FD-R60	P.13		
FD-R61Y	P.15/P.29		
FD-S21	P.17		
FD-S30	P.11		
FD-S31	P.17	P.64	
FD-S32			
FD-S32W			
FD-S33GW			
FD-S60Y			P.29
FD-V30	P.19		
FD-V30W			
FD-V50			
FD-Z20HBW	P.21		P.65
FD-Z20W			
FD-Z40HBW			
FD-Z40W			
FD-Z50HW	P.24		

New product introduction

Tough Fiber

Fiber Selection Guide

Model

Choose by shape/application

How to read Model No

Earlier models comparison table

Fibers

Super Quality

Threaded Type

Square Head Type

Cylindrical Type

Sleeve

Flat Type

Small Spot

Narrow Beam

Wide Beam

Convergent Reflective Type

Retroreflective Type

Chemical / Oil-resistant

Heat-resistant

Vacuum-resistant

Liquid Leak / Liquid Detection

Fiber Options

Semi-custom fibers

Fiber Dimensions

Thru-beam Type

Retroreflective Type

Reflective Type

Others

Amplifiers

FX-500 series

FX-100 series

INDEX