Advanced Optical Fiber Cleaver

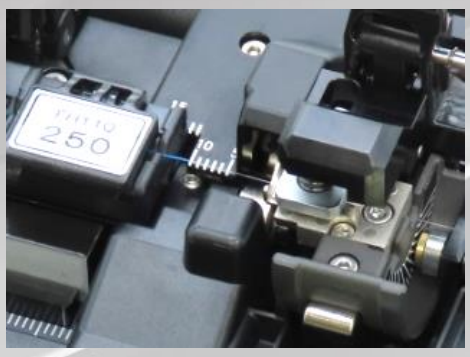
CT110/111

Automatic cleaving with high quality

CT111
(with Angled-Cleaving Function)

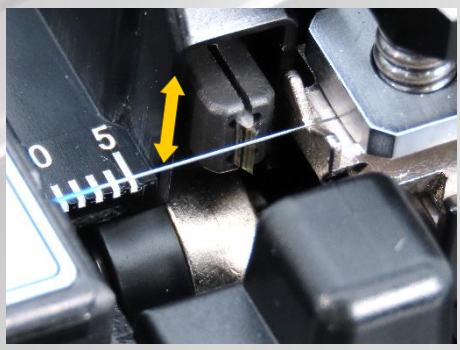
CT110

Cleaving tension automatic setting



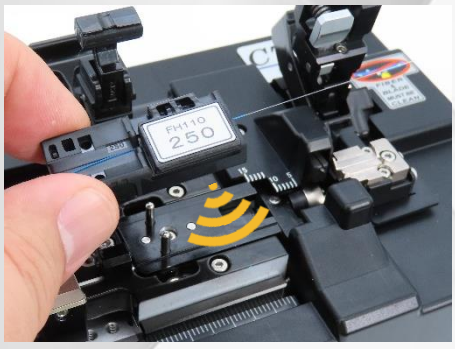
Automatic cleaving tension function can tension and can save your optimization.

Blade position automatic changing



A new blade mechanism controls blade height automatically. It keeps good blade condition to obtain stable cleaving quality.

Wireless communication By RFID



*RFID tag equipped to the fiber holder communicate with CT110/CT111 and choose proper cleaving program(*1)*

*(*1) It is necessary to set the fiber holder to be used and the cleaving program to the in advance using the attached PC software.*

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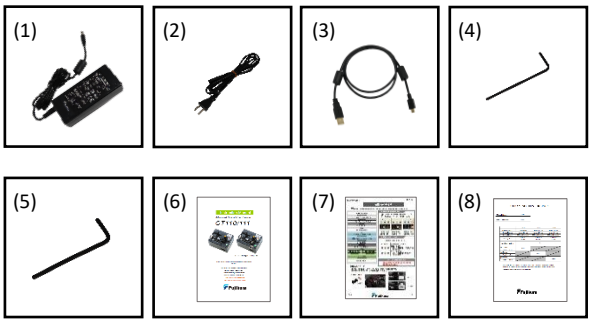
Standard Package

Item	Model	Qty
Advanced Optical Fiber Cleaver	CT110 , CT111	1 pc
(1) AC Adapter	ADC-21	1 pc
(2) AC Power Cord	ACC-08, 09, 10, 11 or 12	1 pc
(3) USB Cable	USB-01	1 pc
(4) Hexagonal Wrench	HEX-01	1 pc
(5) Hexagonal Wrench	HEX-02	1 pc
(6) Instruction Manual	-	PDF file stored in Cleaver
(7) Quick Reference Guide	QRG-11-E or J	1 pc
(8) Cleave test report	CR-CT110	1 pc



Specifications

Item		Specification	
Model		CT110	CT111
Applicable fiber	Fiber type	Silica fiber	
	Fiber count	Single fiber	
	Cladding dia.	80 to 250µm	
	Coating dia.	81 to 2,000µm	
Applicable fiber holder		FH-100 series / FH110 series / FH-70 series *1	
Capability of setting range for tension*2		0 to 900gf	
Total fiber length*3		Approx.11~44mm	
Cleave angle *4		Avg 0.3°, Cladding dia. 125µm	
Fiber twister		-	Equipped
Angled Cleaving		-	Approx. 0° to 15° *5
Blade life		Approx.200,000 fiber Cleaves at Cladding dia. 250um *6	
Physical description	Dimensions W	Approx. 140mm without projection	
	Dimensions D	Approx. 106mm without projection	
	Dimensions H	Approx. 103.5mm without projection	
	Weight	Approx. 810g without battery	Approx. 850g without battery
Power supply	AC adaptor	Input : AC100 to 240V, 50/60Hz, Max. 1.5A	
		Output : Approx. DC 19V, Max. 2.1A	
	Battery	4 pieces of dry battery (ANSI AA / IEC LR6) Number of cleaving with battery: Approx. 250 fiber cleaves with standard 125µm at 25℃.	
Interface	PC	USB2.0 Mini B type *7	
	Ground point	Applicable by M3 size truss screw.	
Wireless communication	RFID	Compliant with ISO 15693 *7	
Firmware	Cleave mode	10 Cleave modes can be saved in the device.	
		3 Cleave mode can be selected by the switch in the device.	
Environmental condition	Temperature	Operate : 0 to 40 ℃	
		Storage : -40 to 80 ℃	
	Humidity	Operate : 0 to 95%RH non-condensing	
		Storage : 0 to 95%RH non-condensing	
Other Features	Automatic functions	Auto cleave mode select by RFID tag	
		Motorized blade position change	
		Motorized auto tension setting	
	Coating adjuster	Coating position adjustment mechanism after cleaving *8	
	Software for PC	Firmware update via internet	
		Cleaving parameter upload and download	

Options

Item	Model	Remark
Blade for Replacement	CB-06A	Blade for Replacement
Holder Adapter Plate	AD-CT110-FH70	Fiber Holder Adapter for FH-70
Fiber Holder	FH110-60	60µm Coating Diameter
	FH110-100	100µm Coating Diameter
	FH110-125	125µm Coating Diameter
	FH110-150	150µm Coating Diameter
	FH110-180	180µm Coating Diameter
	FH110-210	210µm Coating Diameter
	FH110-250	250µm Coating Diameter
	FH110-300	300µm Coating Diameter
	FH110-350	350µm Coating Diameter
	FH110-400	400µm Coating Diameter
	FH110-500	500µm Coating Diameter
	FH110-600	600µm Coating Diameter
	FH110-700	700µm Coating Diameter
	FH110-800	800µm Coating Diameter
	FH110-900	900µm Coating Diameter
	FH110-1000	1000µm Coating Diameter
	FH110-1100	1100µm Coating Diameter
	FH110-1200	1200µm Coating Diameter
	FH110-1300	1300µm Coating Diameter
	FH110-1400	1400µm Coating Diameter
	FH110-1500	1500µm Coating Diameter
	FH110-1600	1600µm Coating Diameter
	FH110-1700	1700µm Coating Diameter
	FH110-1800	1800µm Coating Diameter
	FH110-1900	1900µm Coating Diameter
	FH110-2000	2000µm Coating Diameter

Note

*1 Holder Adapter Plate (AD-CT110-FH70) is necessary to use FH-70 series.

*2 There are some cases that the set tension is different form the actual tension.

*3 Cleave length means distance between end surface of the fiber holder edge and end surface of the cleaved fiber.

*4 Measured with an interferometer at room temperature, not with a splicer. The average cleave angle changes depending on the environmental conditions, blade condition, operating method, and cleanliness.

*5 Maximum cleaved angle changes depending on the fiber type cleaved and clamp position.

*6 Support 10,000 cleaves per position at cladding dia. 250µm. 20pos. X 10,000 cleaves = 200,000 cleaves The blade life changes depending on the environmental conditions, operating method, and the fiber type cleaved.

*7 Unavailable with battery.

*8 Supported Cladding dia.is 81 to 900µm.

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