

MAUNT®

M10000627
Cleaver CT-111, Fujikura



Description

The Fujikura CT-111 is designed to cleave silica glass fibres with a cladding diameter of 80 to 250 μm . What sets the CT-111 apart from the CT-110 is its angle cleave function. Thanks to its automated cleave tension function, it can apply tension to the fibre and meet your optimisation needs. With a new blade mechanism, the CT-111 automatically adjusts the cleave height, helping to maintain good blade quality and consistent cleave quality. In addition, the CT-111 features an RFID tag attached to the fibre holder. This RFID tag allows the CT-111 to communicate with the supplied PC software, so that the correct cleave programme can be selected.

Brand

Fujikura

Technical specifications

Applicable fibres	Silica fibres
Number of fibres	Singlemode
Cladding diameter	80 to 250 µm
Coating diameter	81 to 2,000µm
Applicable fibre holder	FH-100 series / FH110 series / FH-70 series ^{*1}
Setting range for voltage	0 to 900gf
Total fibre length	Approx. 11 ~ 44mm
Cleaver corner	Avg. 0.3°, Cladding diameter 125µm
Corner cleaver	Equipped
Corner-cleave function	Approx. 0° to 15° ^{*5}
Blade life	Approx. 200,000 cleaves at cladding diameter 250um ^{*6}
Dimensions	Approx 140mm (W), Approx 106mm (D), Approx 103.5mm (H)
Weight	Approx. 850g without batteries
AC adapter	Input : AC100 to 240V, 50/60Hz, Max. 1.5A Output : Approx. DC 19V, Max. 2.1A
Battery	4x AA battery (ANSI AA / IEC LR6) Number of cleaves with battery: Approx. 250 cleaves with standard 125 µm at 25°C
PC	USB2.0 Mini B type ^{*7}
Ground Point	Applicable with M3-sized truss screw.
Wireless communication	RFID: complies with ISO 15693 ^{*7}
Cleaver modes	10 Cleave mode can be stored in the device. 3 Cleaver mode can be selected by the switch in the device.



Operating conditions	Temp. 0 to 40 °C, Humidity. 0 to 95%RH (no dew)
Storage conditions	Temp. -40 to 80 °C, Humidity. 0 to 95%RH (no dew)
Automatic functions	Auto cleave mode selected by RFID tag Motorised blade position change Motorised automatic voltage setting
Coating adjuster	Adjusting mechanism for coating position after cleaving *8
Software for PC	Firmware update via internet, Parameters upload and download

***1** Holder adapter plate (AD-CT110-FH70) is required to use the FH-70 series.

***2** In some cases, the set voltage differs from the actual voltage.

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

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

***5** The maximum cleave angle changes depending on the cleaved fibre type and clamping position.

***6** Support 10,000 cleaves per position at cladding diameter 250µm. 20 positions. Blade life changes depending on ambient conditions, working method and clarified fibre type.

***7** Not available with battery.

***8** Supported cladding diameter is 81 to 900µm.



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