DATA SHEET

CT110
Automatic fibre cleaver

FEATURES

- Cleave fibres with 80–25µm cladding
- Automatic fibre tension and blade position adjustment, plus automatic cleaving programme selection via RFID signal from the fibre holder.
- Low average cleave angle: 0.3° for 125µm cladding fibres

APPLICABLE FIBRES	Conventional silica single optical fibre, cladding diameter: 0.08mm to 0.250mm, coating diameter: 0.081 to 2mm
COMPATIBLE FIBRE HOLDERS [1]	FH-100 series / FH110 series / FH-70 series
TENSION SETTING RANGE [2]	0 to 900gf
TOTAL FIBRE LENGTH	Approx. 11~44mm
CLEAVE ANGLE [3]	Avg 0.3°, cladding dia. 0.125mm
BLADE LIFE [4]	Approx. 200,000 fibre cleaves at cladding dia. 0.250mm
DIMENSION	140 [W] x 106 [D] x 103.5 [H]
WEIGHT	Approx. 810g without battery
AC ADAPTER INPUT	AC100 to 240V, 50/60Hz, Max. 1.5A
AC ADAPTER OUTPUT	Approx. DC 19V, Max 2.1A
BATTERY	Four batteries (ANSI AA / IEC LR6) Cleaves with battery: Approx. 250 fibre cleaves with standard 0.125mm at 25°C
INTERFACE	PC: USB2.0 Mini B type Ground point: Applicable by M3 size truss screw
WIRELESS COMMUNICATION	RFID: Compliant with ISO 156937
FIRMWARE CLEAVE MODE	10 cleave modes can be saved in the device. 3 cleave modes can be selected by the switch in the device.
OPERATING TEMPERATURE	0°C to 40°C
OPERATING HUMIDITY	0 to 95% RH non-condensing
STORAGE TEMPERATURE	-40°C to 80°C
STORAGE HUMIDITY	0 to 95% RH non-condensing
AUTOMATIC FUNCTIONS	Auto cleave mode selected by RFID tag Motorised blade position change Motorised auto tension setting
COATING ADJUSTER	Coating position adjustment mechanism after cleaving
SOFTWARE	Firmware update via the internetCleaving parameter upload and download

NOTES
[1] Holder Adapter Plate (AD-CT110-FH70) is necessary to use FH-70 series. **[2]** There are some cases in the set tension is different from the actual tension. **[3]** Maximum cleaved angle changes depending on the fibre type cleaved and clamp position. **[4]** Support 10,000 cleaves per position at cladding dia. 0.250mm. 20pos. X 10,000 cleaves = 200,000 cleaves. The blade life changes depending on the environmental conditions. Operating method and the fibre type cleaved.