DATA SHEET

CT114

Large diameter silica fibre cleaver

FEATURES



- Includes manual backstop and clamp force adjustment.
- Long blade life - approximately 200,000 cleaves with 250µm-cladding fibres.
- Using RFID technology, the CT114 selects the appropriate cleaving mode based on the fibre holder.

FIBRE TYPE	Silica fibre
NUMBER OF FIBRES	Single-fibre
CLADDING DIAMETER	0.08mm to 0.66mm
COATING DIAMETER	0.081mm to 3.182mm
CLAMPING FORCE ADJUSTMENT [1]	Under cladding dia. 0.4mm: Adjustment with magnet Cladding dia. 0.4mm to 0.66mm: Adjustment with magnet and screw
BACKSTOP ADJUSTMENT	Manual
TENSION RANGE SETTING [2]	0 to 3,000gf
CLEAVE LENGTH SETTING RANGE [3]	30mm to 75mm
CLADDING DIAMETER 0.125MM [4]	Avg. 0.2°
CLADDING DIAMETER 0.4MM [4]	Avg. 0.3°
CLADDING DIAMETER 0.66MM [5]	Avg. 0.4°
BLADE LIFE [6]	Approx. 200,000 fibre cleaves at cladding dia. 0.250mm and 0.4mm
DIMENSIONS	240mm [W] x 133mm [D] x 142mm [H]
WEIGHT	Approx. 3.6kg without inserts and with fibre holder adapter
OPERATING TEMPERATURE	0°C to 40°C
OPERATING HUMIDITY	0 to 95% TH non-condensing
STORAGE TEMPERATURE	-40°C to 80°C
STORAGE HUMIDITY	0 to 95% TH non-condensing
AC ADAPTER INPUT	AC100 to 240V, 50/60Hz, Max 1.5A
AC ADAPTER OUTPUT	Approx. DC19V, Max 2.1 A
DISPLAY	4.95-inch with touch screen colour TFT monitor
INTERFACE PC	USB2.0 Mini B type
INTERFACE GROUND POINT	M3 truss screw
WIRELESS COMMUNICATION	RFID: Compliant with ISO 15693
DATA STORAGE	Cleave mode: 100 cleave modes Cleave result: 10000 cleaves
AUTOMATIC FUNCTIONS	Auto cleave mode select by RFID tag, auto backstop adjustment, motorised blade position change, auto tension select, auto clamping force adjustment
SOFTWARE FOR PC	Firmware update via internet, cleaving parameter upload and download

NOTES
[1] Clamp lid screw may be necessary depending on the fibre type when it cleaves <0.4 mm. **[2]** There are some cases in which the set tension is different from the actual tension. **[3]** Cleave length means the distance between the end surface of the left side clamp and the end surface of the cleaved fibre. **[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]** Measured with a splicer (FSM-100P+) at room temperature. The average cleave angle changes depending on the environmental conditions, blade condition, operating method, and cleanliness. Maximum cleaved angle changes depending on the fibre type cleaved and clamp position. **[6]** Support 10,000 cleaves per position at cladding dia. 250µm and 400µm. 20pos. X 10,000 cleaves = 200,000 cleaves The blade life changes depending on the environmental conditions, operating method, and the fibre type cleaved.

FIBERARC
equipment for telecom

FiberARC GmbH | Kernenriedstrasse 1 | CH-3421 Lyssach | Tel +41 34 423 11 11 | info@fiberarc.com

DATA SHEET

CT115

Large diameter manual silica fibre cleaver

FEATURES

- LDF specialist - the CT115 is compatible with fibres with a cladding size between 80µm – 1250µm.
- Long blade life - approximately 200,000 cleaves with 250µm cladding fibres.
- Automatic features - auto cleave mode select using RFID-equipped fibre holders and automatic blade position change.



FIBRE TYPE	Silica fibre
NUMBER OF FIBRES	Single-fibre
CLADDING DIAMETER	0.08mm to 1.25mm
COATING DIAMETER	0.081mm to 3.182mm
CLAMPING FORCE ADJUSTMENT	Auto adjustment with motor
BACKSTOP ADJUSTMENT	Auto adjustment with motor
TENSION RANGE SETTING	0 to 10,000gf
CLEAVE LENGTH SETTING	30mm to 75mm
CLADDING DIAMETER 0.125mm	Avg. 0.2°
CLADDING DIAMETER 0.4mm	Avg. 0.3°
CLADDING DIAMETER 0.66mm	Avg. 0.4°
CLADDING DIAMETER 1mm	Avg. 1.0°
BLADE LIFE	Approx. 200,000 fibre cleaves at cladding dia. 0.250mm and 0.4mm
DIMENSIONS	240mm [W] x 133mm [D] x 142mm [H]
WEIGHT	Approx. 3.9kg without inserts and with fibre holder adapter
OPERATING TEMPERATURE	0°C to 40°C
OPERATING HUMIDITY	0 to 95% TH non-condensing
STORAGE TEMPERATURE	-40°C to 80°C
AC ADAPTER INPUT	AC100 to 240V, 50/60Hz, Max 1.5A
AC ADAPTER OUTPUT	Approx. DC19V, Max 2.1 A
DISPLAY	4.95-inch colour TFT touch screen
INTERFACE	USB2.0 Mini B
INTERFACE GROUNDING POINT	Applicable by M3 truss screw
WIRELESS COMMUNICATION	RFID: Compliant with ISO 15693
DATA STORAGE	Cleave mode: 100 modes Cleave result: 10,000 cleaves
AUTOMATIC FUNCTIONS	Auto cleave mode select by RFID tag, auto backstop adjustment, motorised blade position change auto tension select, auto clamping force adjustment
SOFTWARE	Firmware update via internet, cleaving parameter upload and download

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