

Note: The FSM-20CS has a sensor to measure the atmospheric pressure. When operating the splicer at a different altitude or under different weather conditions from which it was calibrated, the arc power is automatically adjusted to maintain splice quality.

If it is required to change the arc power for some other reason, see Appendices AP2.2 and AP7, set it using the above procedure. The new arc power becomes standard, again with automatic adjustment.

* 1	CONDITION SET
2	COMMENT SET
3	OPTION SET
READY SM1 (X)	

Fig. 2.4 Menu Display

SM1	FUJIKURA	125um
* 1	ARC POWER	12
2	ARC TIME	2000msec
3	FORWARD	40msec
4	PREFUSE	180msec
5	GAP	8line
6	ECF	0.40
READY		SM1 (X)

Fig. 2.5 Splicing Parameters

Table 2.2 Details of Splicing Parameters

Monitor display	Description	Step	Range
1 ARC POWER	Arc (discharge) power	1	0 – 31 *1
2 ARC TIME	Arc (discharge) time	0.1 sec	0 – 65 sec
3 FORWARD	Stuffing time during fusion splice	5 msec	0 – 1 sec
4 PREFUSE	Prefusion time during fusion splice	10 msec	0 – 1 sec
5 GAP	Gap between end faces of fiber	2 line	6 – 32 line *2
6 ECF	ECF factor	0.05	0 – 0.9 *3

*1 The discharge current is approximately $10.0+0.3 \times \text{DATA}$ (mA).

*2 1 line = 2 μm

*3 See Appendix AP6.