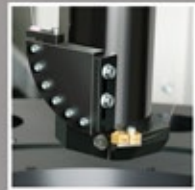


NEXUS 500-LTX ELECTROFUSION CONTROL UNIT

FAULT-FREE IDENTICAL ELECTROFUSION JOINTING





LT unit shown with keypad guard

The NEXUS 500-LTX electrofusion controller is a NEW variation of the 'LT' unit, with an extra long duty cycle to cater for large diameter electrofusion couplers entering the market with output voltages up to 48V. MSA have been at the forefront of developing wire laying systems and large coupler designs up to 1200mm, so have superior knowledge over their welding characteristics.

The 220V input unit's duty cycle has been tested for welds of 48V at 100 Amps for up to 1 hour (at room temperature), and weighs only 21Kg (22Kg with the additional keypad guard). The weights include the 3m input and 3m output leads.

It is important that the correct power supply is used to cope with the draw of the fitting to be welded, e.g:

- A 220V 3.5kVA continuously rated (TIN12) generator is suitable for MAX 65A @ 48V
- A 220V 5.0kVA continuously rated (TIN12) generator is suitable for MAX 100A @ 48V

Some generators are not continuously rated so in this case higher powered units may be required. The NEXUS LTX will also notify the user of the required power requirements for a fitting after scanning the barcode and before the weld commences.

MODELS

NEX510-MI-LTX

manual input (39.5V fixed and 8-48V variable)

NEX510-BR-LTX

manual input (39.5V fixed and 8-48V variable), barcode recognition (ISO TR 13950), including CCD gun type scanner

NEX510-DR-LTX

manual input (39.5V fixed and 8-48V variable), data retrieval (weld information)

NEX510-BD-LTX

manual input (39.5V fixed and 8-48V variable), barcode recognition (ISO TR 13950), data retrieval (weld information), including CCD gun type scanner

NEX510-TR-LTX

manual input (39.5V fixed and 8-48V variable), barcode recognition (ISO TR 13950), traceability barcode and data retrieval, including CCD gun type scanner

NEX510-TO-LTX

manual input (39.5V fixed and 8-48V variable), barcode recognition (ISO TR 13950), operator badge, traceability barcode and data retrieval, including CCD gun type scanner

SPECIFICATIONS

NEXUS 500-LTX 220V

Input Voltage
220V AC RMS

Output Voltage
8 to 48V

Maximum Output Current
100 Amps

Temperature Range
-10 to +50°C

Dimensions
410W* x 180D x 330Hmm
* ECU 500mm wide overall including cable glands.

Net Weight
21.0Kg
(22.0Kg with keypad guard)

Seal Rating
IP65

Power Rating
3.5kVA MIN

Temperature Compensation
Yes - in barcode mode

Output Lead Length
3 metres*

Input Lead Length
3 metres*

* leads permanently attached - please enquire about different lead lengths.

Standard Terminal Size
4.0mm dia (with 4.7mm adaptors)

Memory Storage Capacity
minimum 1000 joints

Connectivity
RS 232 (USB on request)

Monitoring Features: power inlet/outlet, coil integrity
Other Features: audible warning, real time clock, user prompts
Fusion Information Display: fusion time, fusion voltage, fusion current, ambient temperature, fusion countdown, cooling time
Accessories: CCD gun type scanners, PC software
Specification: ISO 12176-1 & GIS/ECE1

Please enquire for special application ECU's.