

Product Information: **RAPTOR**



Operating Modes

Manual , Bar Code

Controlled Welding Voltage

8 to 48 Vac (39,5 Vac)

Welding Current

1 to 65 Aac (100 A peak)

Welding Time

1 to 3,600 seconds

Supply Voltage

120 Vac (+/- 20%) 40 to 60 Hz

Supply Current

1 to 30 Aac

Supply Power

3,500 W (peak)

Weight

60 lb

Size

15 x 15 x 16 inches

Operating Temperature

0 F to 120 F



WASHINGTON

Washougal

Phone 800-634-5082

FLORIDA

Lakeland

Phone 866-470-4373

INDIANA

Indianapolis

Phone 866-620-4373

UTAH

Centerville

Phone 801-295-4373

ARIZONA

Tucson

Phone 866-930-4373

The RAPTOR is a fully automatic universal electrofusion welding unit, designed to join Bar Coded PE and PP pressure fittings in the range of 8v to 48v. It has been designed with rugged reliability in mind, and is tailored to the Utility Rental Market where problems and downtime cost money. It has an intuitive user interface allowing data to be quickly and easily uploaded and downloaded.



The unit is built in a strong plastic case with a steel protective frame to protect it from damage. It has a thick aluminium lid, and is fully waterproof and sealed to IP65. It will connect to fittings with 4.7 mm or 4.0 mm terminals.



It has a large four line display, to show clear information to the operator. It is high contrast and back-lit for excellent visibility in strong sunlight and dark shadow. Optional display languages are available.



It has a steel IP67 rated alphanumeric keypad, designed for use in harsh conditions. This allows quick data input using a mobile cell phone text format. It has four quick keys (ABCD) to jump through menu options.



An industry standard USB port allows bar code pens and scanners to be attached. Data is downloaded onto any off-the-shelf USB memory pen in Windows® format. It also allows the software to be flash upgraded without opening the unit.



The unit will read and weld all bar code fittings with the supplied standard reading pen. An optional scanner is available. In addition to bar code welding, the unit can recognise Fusamatic fittings and weld in manual mode.



The unit will recognise and read extended traceability bar codes found on fittings, pipes and accessories. Up to five codes per weld can be read and logged. These are stored along with user inputted data such as job references.



The unit is fully compliant with the ISO standard Operator Badge system, and will lock the operation if a non-approved operator uses the equipment. This, and all other operating modes can be configured by a supervisor.



The data log memory can hold 2,048 welds and will download as an Excel spreadsheet or encrypted file. An optional Lifetime-Weld memory module is available, where all data is internally stored on a removable SD memory card.



The operating software of the welding unit can be tailored to the ways of working of the customer. Data log options can be changed to ask different questions to be compatible with the customers ISO9000 systems, removing duplicate paperwork.



An optional GPS entry is available, where coordinates can be read from a hand held device and manually inputted into the data log. An automatic Bluetooth linked system will be available shortly.