

COOPER**TRATAMIENTOS
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THERMOCOUPLE ATTACHMENT UNITS

CAPACITOR DISCHARGE WELDING



SELF-PORTABLE AND MAXIMUM PRECISION

This facilitates quick coupling parts thermocouple wires through the capacitor discharge action. An accumulator recharge provides easy portability for use in work in remote and inaccessible.

HIGH MEASURING ACCURACY

The thermocouple wire is directly fixed by welding to the surface of the piece subjected to heating, the method of direct attachment points out the actual temperature of the workpiece at the point-s of fixing these, where thermocouples are placed next to the heating elements or burners.

WITHOUT WELDING EQUIPMENT

When using the usual types of thermocouples fixed beneath staples or welded sheets, etc. It is necessary to move the welding equipment for the operating point of these to the dotted piece materials and in some preheating of the piece. This process is costly and labor resources, and can lead to errors in reading of 50°C when the thermocouple hot junction is performed on the workpiece surface is applied on the heat source.

NO DAMAGE THE PART IN PROCESS

The marking on the surface is minimal, on the order of 0.18mm and 0.08mm of penetration heat affected zone, which is usually acceptable and in any case easy to remove by gently grinding

The unit is made of a strong, lightweight stainless steel chassis with shock-resistant conveyor belt, which contains the PCB regulation and operation, capacitor and battery, power cord for battery charge-discharge circuit and output terminals welding pliers (+) and magnet (-), which facilitates the mounting piece.

Is available in 5 formants:

Ref.03.101 – Standard model

Ref.03.101/AD – High Discharge and potentiometer discharge energy

Ref.03.102/AD-R – High Discharge/Potentiometer discharge energy, Manual-Auto, battery working option or from network

Ref.03.103 – MiniTau model, discharge potentiometer, Manual-Auto, batteries operated

Ref.03.104/PIN – Very High Discharge model $\leq 250J$, Manual-Auto, battery or network, potentiometer discharge energy

BASIC SPECIFICATIONS

Type	: Capacitor discharge welding
Capacity	: Standard Model-Wire $\varnothing \leq 1mm$, Model AD- $\varnothing \leq 1.5mm$, Model PIN- $\varnothing \leq 2.5mm$
Battery	: Rechargeable 12 Vol. 1.2 Amp/h
Supply voltage	: 100/125 V ó 215/240 V (specify with order)
Battery charging circuit	: 14 Vol-100 mA
Dimensions (LxWxH)	: 200 x 95 x 225 mm, MiniTau-95x157x45mm, /PIN-255x230x310mm
Weight	: 3.101-3.102: 3 ÷ 4.5 Kg, 3.103: 740gr, 3.104/PIN: 6.5Kg