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CALIMETER 602

OPERATING & INSTALLATION INSTRUCTIONS

The Calimeter 602 is a highly accurate add-on digital meter unit, suitable for all types of DC Welding Power Sources, including engine driven.

It is shower-proof and is fitted into a very strong metal cabinet which makes it particularly suitable for site applications.

Designed to offer a simple, cost-effective solution to the problem of keeping welding machines in a constant state of Calibration, it can easily be fitted or removed as required.

It is powered by the welding voltage and therefore no separate supply is needed. It is very simple to fit and is supplied ready calibrated for 1 year complete with Certificate of Calibration, to the latest International Standard IEC 60974-14. Once fitted to a power source it renders that power source in a calibrated state for as long as it remains connected.

Installing to Mig power sources with separate Wire Feed Unit.

The Calimeter 602 plant version is easily fixed to any power source using 2 x self tapping screws and is connected in one of two ways.

Option 1 is via two short welding cables fitted with male and female connectors as appropriate. The two welding leads removed from the power source are then connected as follows. The wire feed lead connected to the + positive welding terminal and the earth lead to the – negative welding terminal.

Your second option for fitting is to connect the negative only via welding cable and picking up the positive via the red terminal post on the Calimeter (this is a voltage reference only so 0.5 wire or bigger can be used). When welding commences the meter unit will activate and after a few minutes use will be charged enough to stay activated for a few minutes. The same principle applies when fitted to MMA DC welding power sources.

Installing to Compact Migs

The Calimeter 602 is connected via a short welding lead from the earth – negative welding terminal to the negative input (male) panel plug on the Calimeter. As compact Migs do not have a + positive welding terminal we can provide a suitable voltage reference lead which plugs into the small red socket on the Calimeter cabinet, the other end needs to be connected anywhere on the positive side (feed plate, power clamp etc).

A positive dinze plug and socket are fitted to the Calimeter and need only be used if connecting via welding cable on both positive and negative is easier (some compact Migs have reverse polarity posts which would be easier to fit via both welding connectors).

SPECIFICATION

Accuracy:	Better than 1% (+/- 1% or +/- 1 digit)
Range:	0 - 600 Amps
Calibration Standard:	IEC 60974-14

Re-calibration interval: 1 year.