



**Discovery 161T** is an Advanced Inverter Power Source for TIG DC and MMA welding with excellent arc characteristics.

Its **light weight** and reliable construction, is ideal for both in shop and field use.

**Friendly-user digital interface** allows precise parameters setting.

Weco **Special HF control** provides 100% rapid and precise arc ignition.

TIG DC functions include **Pre Gas, Post Gas, Up Slope, Down Slope, Final Current, Slow to Fast Frequency Pulse** (step variation 0,5÷250Hz) controls, **2T/4T** trigger control.

In MMA welding, factory optimized **Hot Start, Arc Force** and **Anti Sticking** facilitate operations with **up to 3.25mm** diameter electrode.

- **Light weight** and **reliable construction**
- **Handle** and **Shoulder Strap** for easy carrying
- **Microprocessor** controls real time welding parameters
- **Full Functions TIG DC** setting with **Digital Display**
- **Slow Pulse TIG DC** for welding with TIG rod
- **Fast Pulse TIG DC**: focused arc, thinner welding material and lower deformations

**Processes:** TIG DC - MMA

**CE Directives:** 2002/95/CE, 2004/108/CE, 2006/95/CE

**CE Standards:** EN 60974-1, EN 60974-10



#### Power Inverter Inside

- Higher Efficiency
- Lower Energy Demand

#### TECHNICAL DATA

|                              |                          |      |      |           |      |      |
|------------------------------|--------------------------|------|------|-----------|------|------|
|                              | 1x230Vac ± 15% @ 50-60Hz |      |      |           |      |      |
|                              | 16A                      |      |      |           |      |      |
|                              | TIG                      |      |      | MMA       |      |      |
| $\%_{0\ 40^{\circ}\text{C}}$ | 25%                      | 60%  | 100% | 30%       | 60%  | 100% |
| $\gt I_2$                    | 160A                     | 120A | 100A | 150A      | 115A | 100A |
| $I_2$                        | 5A - 160A                |      |      | 5A - 150A |      |      |
| $U_0$                        | 54V                      |      |      |           |      |      |
| $P_{1\ \text{MAX}}$          | 6,40kVA - 4,6kW          |      |      |           |      |      |
| $IP$                         | 23S                      |      |      |           |      |      |
|                              | 360 x 120 x 215mm        |      |      |           |      |      |
|                              | 5,4Kg                    |      |      |           |      |      |

#### REFERENCE

|   |               |
|---|---------------|
| <b>Discovery 161T</b>                   | 001.0022.0000 |
| OVERCUT (Generator Protection)          | 006.0002.0040 |
| Electrode Holder 16mm <sup>2</sup> L=3m | 006.0002.0026 |
| Earth Cable 16mm <sup>2</sup> L=2.5m    | 006.0002.0010 |
| Torch SINTIG 17 AIR L=4m                | 006.0005.0001 |
| Suitcase ABS 02                         | 006.0002.0016 |
| Suitcase Kit                            | 006.0002.0001 |
| MANOMETER                               | 006.0002.0011 |
| FLOWMETER                               | 006.0002.0005 |

#### Suggested composition:

|                          |
|--------------------------|
| Discovery 161T           |
| Suitcase ABS 02          |
| Suitcase Kit             |
| Torch SINTIG 17 AIR L=4m |
| FLOWMETER                |