

The **GOLDSOURCE UNI-T UTP3305** appears to be a programmable DC power supply, commonly used in electronics testing, research, and development. Below is a general overview of its features and specifications based on typical models in this category:



Key Features:

1. Programmable Output:

- Allows users to set and adjust voltage and current levels precisely.
- Often supports multiple output modes (constant voltage, constant current).

2. High Precision:

- Provides accurate voltage and current output with low ripple and noise.
- Typically includes a high-resolution display for monitoring.

3. Multiple Output Channels:

- May include multiple independent or series/parallel-connected outputs for versatile applications.

4. Protection Features:

- Over-voltage protection (OVP).
- Over-current protection (OCP).
- Over-temperature protection (OTP).
- Short-circuit protection.

5. User Interface:

- Equipped with an intuitive interface, often including an LCD or LED display.
- May include rotary knobs or keypads for easy parameter adjustment.

6. Communication Interfaces:

- Supports remote control via interfaces like RS232, USB, or LAN.



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- Compatible with software for automated testing and data logging.
 - 7. **Compact Design:**
 - Designed for bench-top use with a compact and portable form factor.
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Typical Specifications:

- **Output Voltage Range:** 0-30V (adjustable).
 - **Output Current Range:** 0-5A (adjustable).
 - **Power Rating:** 150W (may vary depending on the model).
 - **Resolution:** High precision (e.g., 1mV/1mA).
 - **Display:** Digital LED or LCD display for voltage, current, and power readings.
 - **Cooling:** Built-in fan for heat dissipation.
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Applications:

- Electronics testing and debugging.
- Powering and testing circuits, components, and devices.
- Research and development in laboratories.
- Educational purposes in engineering and electronics.