

## Airbag Timer AT-12C

- Applied to onboard airbag timing squib;
- 12 channels independent control;
- Timing step 0.1ms;
- Squib current>2A;
- Airbag resistance monitoring;
- Squib current and voltage data storage.



The onboard airbag timer is mainly used in the vehicle crash test, or in the simulation car test. AT-12C has 12 squib channels, and each channel can be set independently, and the status of the connected airbag can be displayed in real time through its own indicator light. The equipment has a built-in UPS battery and independent burst capacitors for each channel, and it can collect data on burst current and voltage at the same time. The JBUS bus connector can support daisy chain connecting with other JBUS devices.

Specification (25°C):

| Name                 | Unit                  | Value     |
|----------------------|-----------------------|-----------|
| Channels             | /                     | 12        |
| Squib Max. Current   | A                     | >6        |
| Squib Voltage        | V                     | ≥20       |
| Timing Step          | ms                    | 0.1       |
| Max. Delay Set       | ms                    | 999.9     |
| Data Sampling        | Hz                    | 10000     |
| Trigger Type         | T0                    | Switch    |
| Bus Voltage          | V                     | 24~55     |
| Communication        | /                     | Ethernet  |
| Battery Working Time | hours                 | ≥6        |
| Anti-Shock (XYZ)     | > 100g @6ms half sine |           |
| Material             | /                     | Al. Alloy |
| Weight               | kg                    | 1.8       |
| Dimension            | mm                    | 231×64×70 |

LED POW: Bus Power Indicator;

LED BAT: Battery On Indicator;

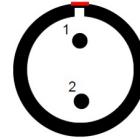
LED ARM: ARM Status Indicator;

LED T0: T0 Trigger Indicator;

ETA, ETB: Communication Indicator.

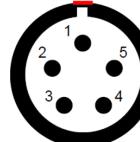
### Connector Define:

Squib Output F1-F12: ODU GK1L0C-P02Q



|       |               |
|-------|---------------|
| Pin 1 | Squib Output+ |
| Pin 2 | Squib Output- |

Trigger Input TRG IN: ODU GK1L0C-P05Q



|       |             |
|-------|-------------|
| Pin 1 | T0 Switch+  |
| Pin 2 | T0 Switch+  |
| Pin 3 | SR Switch+  |
| Pin 4 | SR Switch+  |
| Pin 5 | Not Connect |

JBUS (JEBOOL Data Bus Interface) :

ODU GK2L0C-P16Q