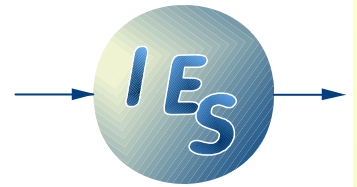


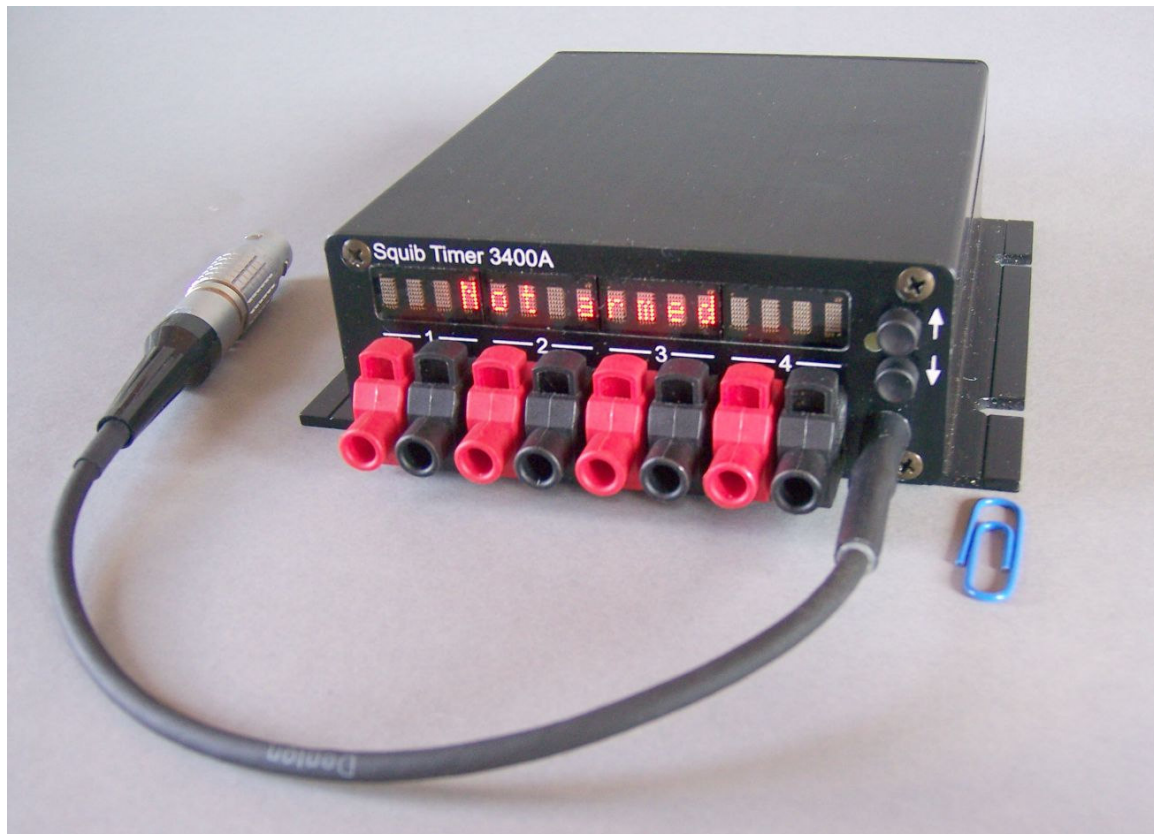
IES 3400A Squib Timer



SHORTFORM DATA

Controller for delayed ignition of airbag squibs with 4 independent timed outputs.

- ☺ **Small and lightweight device**
- ☺ **Internal Li-Ion accumulator and charger**
- ☺ **Time delay 0.1 ... 999 ms in steps of 0.1 ms**
- ☺ **Built in data acquisition for ignition voltage**
- ☺ **Squib resistance measurement and display**
- ☺ **Comprehensive self test including energy storage capacitor**
- ☺ **Status and control inputs/outputs, 3 different trigger sources**
- ☺ **Stand alone usage possible (built in menus)**
- ☺ **Text display shows status, time delay, squib resistance**
- ☺ **Set up is stored in non volatile memory**
- ☺ **Remote control over RS-232 and Ethernet**



Specifications

Mechanical	
Dimensions W x D x H	105 x 124 x 40 mm ³
Mass	0,7 kg

Environment	
Temperature range	0...50 °C
Humidity	Non condensing
Shock	50 g / 50 ms, any direction

Connectors	
Lemo 1B/2B 10-pole with 20 cm cable rod	supply, trigger, safety input, remote control
HD-connector 25-pole female	supply, trigger, enable, status signals, RS-232
MultiContact® clamping connectors	4 independent squib outputs

Electrical	
Charge-Supply	9 ... 16 V; max. 15 W
Uptime with full accumulator	6 hours
Ignition energy	max. 170 mJ in 2 ms
Output current	option CUR: 0.5 A ... 6 A, 5 % accuracy *) *) on demand 2 % accuracy without option CUR: minimum 6 A
Sampling rate for voltage measurement	10 kHz
Measuring range for squib resistance	0 ... 9,5 Ohms
Time delay range	0.1 ... 999 ms in steps of 0.1 ms
Trigger inputs	a) voltage protected GND-contact b) RS-485 trigger bus (in/out) c) opto isolated voltage input 5 ... 24 V
Safety enable input	opto isolated voltage input 5 ... 24 V
Arm enable input	opto isolated voltage input 5 ... 24 V
Ready outputs	a) opto isolated open-collector output b) voltage protected und current limited 5V output (CMOS-compatible)
Status outputs für t0, t1, t2, t3, t4	Voltage protected und current limited 5V output (CMOS-compatible)
Remote control interfaces	RS-232, Ethernet

Ordering information: IES 3400A

Also available:

IES 3401A	19"-Rack mount version
IES 3400SW	PC remote control software
Option -CUR	Current control for squib current
Option -BAT	Internal Li-Ion battery and charger

Information is provided without warranty and is subject to change without notice. We reserve the right to make changes whenever necessary to improve to the product.

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