

Onboard Data Acquisition Device JDAS-32C

- Applied for sensor signal acquisition of vehicle crash test;
- Support 32 channels with excitation voltage;
- 20kHz synchronous sampling and flash recording;
- SR and T0 switch input connector;
- Ethernet communication with JBUS interface;
- UPS Battery inside, LED status indicators;
- Dallas ID read function;
- Compliance with SAE J211 and ISO6487.



Onboard DAS JDAS-32C has an anti-shock design and very suitable to apply for crash test. The DAS support 32 channels sensor input (PR, SG Bridge, Pot. or Voltage) with excitation voltage and 16 channels digital input. A built-in UPS battery is used to ensure the reliability of communication and triggering. An independent trigger input can be connected to an external switch to realize start recording and T0 trigger mark.

Specification (25°C):

Name	Unit	Value
Sensor Input	Channels	32
Signal Input Max.	V	±5.0
A/D	bit	24
Sampling Frequency	kHz	20
Excitation	VDC	2.5, 5, 10
Excitation Current	mA	Max. 60
Digital Input	Channels	16
Recording Time	min	90
Trigger Input	SR, T0	Switch
Filter	Anti-aliasing LPF, 4kHz	
Offset	Hardware and Software	
Shunt	Bridge Shunt Check	
Gain	1~10000. Adaptive	
Communication	100Mbit/s Ethernet	
Power Supply	VDC	24~60
Max. Power	W	55
Battery Working	min	≥60
Anti-Shock	g	>100@6ms
Weight	kg	2
Dimension	mm	230×64×83
Mounting	/	6×M4

Sensor Connector A1~A16: ODU GK1L0C-P07Q

Pin 1	External Shunt Resistor
Pin 2	Dallas ID+
Pin 3	Signal Input+
Pin 4	Excitation Output+
Pin 5	Excitation Output-
Pin 6	Signal Input-
Pin 7	Excitation Sense+

Trigger Input TRG IN: ODU GK1L0C-P05Q :

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

Mounting Dimension:

