Onboard DAS JDAS-AS16

- Applied for synchronous data acquisition of sensors and signals;
- Support 16 channels with excitation voltage;
- 20kHz sampling frequency 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-AS16 has an anti-shock design and very suitable to apply for crash test. The DAS support 16 channels sensor input (PR, SG Bridge, Pot. or Voltage) with excitation voltage. 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℃):

Name	Unit	Value
Sensor Input	Channels	16
A/D	bit	16
Sampling Freq.	kHz	20
Signal Bandwidth	kHz	4
Excitation	VDC	5
Excitation Current	mA	Max. 60
Recording Time	min	25
Trigger Input	SR, T0	Switch
Filter	4-order Anti-aliasing LPF	
Offset	Hardware and Software	
Shunt	Bridge Shunt Check	
Gain	Signal Amp. Automatically	
Communication	100Mbit/s Ethernet	
Power Supply	VDC	24~48
Battery Working	Minute	⩾30
Case Material	/	Al Alloy
Weight	kg	1.5
Operation Temp.	℃	5~40
Store Temp.	℃	-20~40

Sensor Connector A1~A16: ODU GK1L0C-P07Q

Pin 1, Pin7	Not Connect
Pin 2	Dallas ID+
Pin 3	Signal Input+
Pin 4	Excitation Voltage+
Pin 5	Excitation Voltage-
Pin 6	Signal Input-

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

JBUS Interface：ODU GK2L0C-P16Q：

Pin 1，11，12	Power+
Pin 2，3，13	Power-
Pin 4, 5, 6, 14	Ethernet
Pin 7, 8	T0 RS485 Trigger
Pin 15, 16	SR RS485 Trigger
Pin 9	Trigger GND
Pin 10	Trigger Terminal

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