Data Acquisition Systems

DCS300PA Data Acquisition System

DCS300PA data acquisition unit is a dual channel pre-amplifier of weak signal acquisition unit, an upgrade version DCS103, covers DCS103 all data acquisition function, due to the increased the multi-position, high-gain pre-amplifier, thus is suitable for a weak signal data acquisition.

Specifications:

- Measurement Signal Range:
  Current input ±1mA～±10mA
  Voltage input ±1mV～±10V
- AUX Measurement Range: DC 0～10V
- Voltage Gain: 10^0-10^4
- Current Gain: 10^3-10^7
- Integration time: 10μs-10s
- Data Points: ≤2000(Stored in RAM)
- Temperature Measurement Range -30～100 ℃(AD590)
- A/D Converter Accuracy: 16 Bits
- D/A Converter Accuracy:12 Bits(output DC0-10V,)
- Trigger output channel: can control shutter, solenoid
- Trigger input channel: TTL rising edge
- I/O 5 Input, 2 TTL Output
- CE
- Communicating Interface: USB2.0
- Power Supply: AC 100-240V ,50/60Hz(DC24V, 0.3A)
- Outline 260mmX260mmX120mm
- Weight 3.3kg

DCS Analog amplification data acquisition system			
		DCS300PA	Remarks
Analog Input Channels		2 Channels	DCS300PA Positive and negative input need to switch
	A/D Converter Accuracy	16 bits	
	Current Input	Range:±1μm～±10mA	
		Gain:10^3～10^7	
	Voltage Input	Range:±1mV～±10V	
		Gain:10^0～10^4	
DC Voltage Input Channels		AUX Channel	
	Input Range	DC 0V～10V	
Temperature Measurement Channel		1 channel	
	Probe	AD590，Measurement Range:-30～100℃	
Analog Output Channel		2 Channels	DCS300PA: One channel is used for high Voltage Power control;One channel is used for Chooper Control
	D/A Converter Accuracy	12 bits	
	Range	DC 0V～10V	
Trigger Input Mode		software trigger	
		External trigger	
Trigger Output		No	