

DAQ710 Data Acquisition

(7 inch touch screen, 8 or 16 channels, 4-20mA/0-10mA/0-20mA, 0-5V/0-10V)

Key Features

- Support multiple signal input: Voltage, Current, Power, Frequency, Pressure, Temperature, Humidity, Flow, Liquid level, Vibration, Rotating speed etc.
- Standard 8 or 16 channels, support user customization
- 1S high-speed sampling
- 70MB/2GB (optional) internal storage
- PC and mobile phone remote monitoring, free IOT platform
- 7 inch color touch screen, portable design
- RS232, RS485, Ethernet communication interface and USB ports



Overview

Saluki DAQ710 Portable Data Acquisition integrates the data acquisition, display, built-in data storage, and network connectivity. The single device has 8 to 16 channels. DAQ710 can measure multiple electrical or physical parameters. It also can be easily remotely transmitted wirelessly to PC & mobile phone monitoring. The portable design is suitable for industrial and laboratory applications.

Technical Specifications

Model	DAQ710
Input Signals	Thermocouple: K, R, B, N, E, T, J, S, WRE5-26, WRE3-25 Thermal resistance: pt100, cu50 Current (DC): 4-20mA, 0-10mA, 0-20mA Voltage (DC): 0-5V, 0-10V, 1-5V
Number of Channels	8 - 16
Power Consumption	≤ 25 VA
Storage Interval	Self-setting from 1s to 19999s

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Internal Memory	70MB, or optional 2GB
Acquisition Mode	Cyclic
Alarm	High & low limit, 4 alarms per channel
Relay	8-channel NO relay 220VAC/3A
Power Supply	24VDC $\pm$ 10%
Distribution Output	1-channel 24VDC (optional multi-channel 24V or 5VDC output)
Communication	Standard RS232C (optional Ethernet, RS485, GPRS wirelss), Standard Modbus RTU protocol
Temperature	Operating: -20°C to +70°C, Storage: 0°C to +50°C
Humidity	Operating: 0 - 95% RH, Storage: 0 - 85% RH (non-condensing)
Dimension	198 × 141 × 202 mm

Standard Modules

Module	Description	Marks
DAQ710-8	Multi-channel Data Acquisition	8 channels signal input
DAQ710-16	Multi-channel Data Acquisition	16 channels signal input

➤ Measurement Range

Type	Range	Accuracy	Resolution
$\pm 10V$	-10.000V to +10.000V	$\pm 0.05\%$ of rdg ± 2 digit	1mV
$\pm 5V$	-5.500V to +5.500V	$\pm 0.05\%$ of rdg ± 2 digit	1mV
$\pm 1V$	-1.1000V to +1.1000V	$\pm 0.05\%$ of rdg ± 2 digit	0.1mV
$\pm 500mV$	-550.0mV to +550.0V	$\pm 0.05\%$ of rdg ± 2 digit	0.1mV
$\pm 100mV$	-110.0mV to +110.0V	$\pm 0.05\%$ of rdg ± 2 digit	0.01mV

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Type	Range	Accuracy	Resolution
1 - 5V	+0.800V to +5.200V	$\pm 0.05\%$ of rdg ± 2 digit	1mV
0 - 5V	+0.800V to +5.200V	$\pm 0.05\%$ of rdg ± 2 digit	1mV
4-20mA	+3mA to +21.00mA	$\pm 0.05\%$ of rdg ± 2 digit	0.01mA
K	-100°C to +1372°C	$\pm 0.05\%$ of rdg $\pm 0.6^\circ\text{C}$	0.05°C
	-200°C to -100°C	$\pm 0.05\%$ of rdg $\pm 0.9^\circ\text{C}$	0.05°C
J	-100°C to +1200°C	$\pm 0.05\%$ of rdg $\pm 0.6^\circ\text{C}$	0.05°C
	-200°C to -100°C	$\pm 0.05\%$ of rdg $\pm 0.8^\circ\text{C}$	0.05°C
E	-100°C to +1000°C	$\pm 0.05\%$ of rdg $\pm 0.6^\circ\text{C}$	0.05°C
	-200°C to -100°C	$\pm 0.05\%$ of rdg $\pm 0.8^\circ\text{C}$	0.05°C
T	-100°C to +400°C	$\pm 0.05\%$ of rdg $\pm 0.5^\circ\text{C}$	0.01°C
	-200°C to -100°C	$\pm 0.05\%$ of rdg $\pm 0.8^\circ\text{C}$	0.01°C
N	0°C to +1300°C	$\pm 0.05\%$ of rdg $\pm 0.6^\circ\text{C}$	0.05°C
w	+1500°C to +2315°C	$\pm 0.05\%$ of rdg $\pm 1.1^\circ\text{C}$	0.05°C
	0°C to +1500°C	$\pm 0.05\%$ of rdg $\pm 0.8^\circ\text{C}$	0.05°C
R	+300°C to +1768°C	$\pm 0.05\%$ of rdg $\pm 0.8^\circ\text{C}$	0.05°C
	+0°C to +300°C	$\pm 0.05\%$ of rdg $\pm 1.6^\circ\text{C}$	0.05°C
S	+300°C to +1768°C	$\pm 0.05\%$ of rdg $\pm 0.9^\circ\text{C}$	0.05°C
	+0°C to +300°C	$\pm 0.05\%$ of rdg $\pm 1.6^\circ\text{C}$	0.05°C
B	+600°C to +1820°C	$\pm 0.05\%$ of rdg $\pm 1.0^\circ\text{C}$	0.05°C
	+400°C to +600°C	$\pm 0.05\%$ of rdg $\pm 1.7^\circ\text{C}$	0.05°C
pt100	-200°C to +660°C	$\pm 0.1\%$ of rdg. $\pm 0.3^\circ\text{C}$	0.02°C
cu50	-50°C to +150°C	$\pm 0.1\%$ of rdg. $\pm 0.3^\circ\text{C}$	0.02°C

Note:

- Warm-up time: more than 30 minutes. Thermocouple measurement includes cold junction compensation accuracy.
- Environmental adaptability, the operation temperature is 0°C to +50°C.
- The operation humidity is 20 to 85%RH (no condensation).

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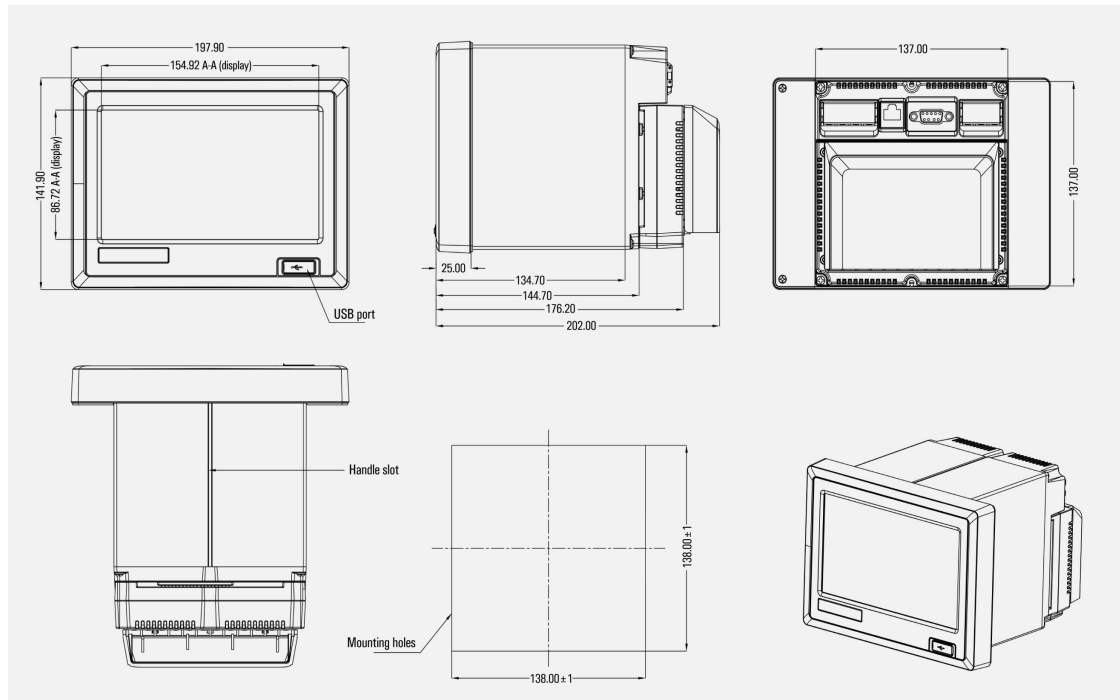
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Physical Dimensions



Note: Information will conduct the necessary updates, the contents of this document are subject to change without notice.