Modular flexibility, Tailored your way

8 Slots · 10 Modules · Up to 240 Channels



DAQ-10600 Data Acquisition System

* Large 5"TFT Color Display
* 8-slot Mainframe with Built-in 6 ½ digit DMM
* Basic 0.0035 % DCV Accuracy
* 10 Selectable Switch Modules
* Up to DC 1000 V Voltage Measurement (DAQ-919 module)
* Up to 450 Channels/s Scan Rate
* Up to 100 Kilo Points Internal Memory
* Measures and Converts 14 Different Input Signals : Temperature with Thermocouple, RTDs and Thermistor; DC/AC Volts; 2- and 4-wire Resistance; Frequency and Period; DC/AC Current and Capacitance; Direct and Bridge Strain
* USB Storage Supports Copy/Log Data in Standalone Operation
* Interfaces: Digit I/O, LAN, USB Host/Device and GPIB(Optional)
* Free PC Software Allows Easy Configuration and Control of Tests

GW INSTEK
Simply Reliable

Website Facebook Catalog

SPECIFICATIONS

DISPLAY	5" Color TFT LCD		
SLOT	8		
Internal Memory	100 k_Sample (nonvolatile)		
MEASUREMENT CHARACTERISTICS			
	Range	**Resolution**	**Accuracy (*)**
DC Voltage	100 mV to 600 V	0.1 µV to 1 mV	0.0035 %
AC Voltage	100 mV to 400 V	0.1 µV to 1 mV	0.05 %
Resistance	100 Ω to 1000 MΩ	0.1 mΩ to 1000 Ω	0.01 %
Frequency	3 Hz to 300 kHz		0.01 %
DC Current	1 µA to 2 A	1 pA to 1 µA	0.05 %
AC Current	100 µA to 2 A	100 pA to 1 µA	0.10 %
Capacitance	1 nF to 100 µF	0.000 1nF to 0.01 µF	2 %
Temperature (TC)	-200 °C to 1820 °C	0.002 °C to 0.01 °C	0.2 °C
Temperature (TM)	-80 °C to 150 °C	0.01 °C	0.01 °C
Temperature (RTD)	-200 °C to 600 °C	0.002 °C	0.06 °C
GENERAL INFORMATION			
USB Storage	Available		
Interface	Digital I/O, LAN and USB host/device		
Optional Interface	GPIB		
Power Source	AC 100 V to 240 V, 50 Hz/ 60 Hz		
Power Consumption	Approx. 150 VA max.		
Dimensions (W x H x D)	430 mm x 145 mm x 485 mm		
Weight	Approx. 7.35 kg		

DAQ MODULES SPECIFICATIONS

Module Description	Type	Speed (CH/sec)	Max (Volts)	Max (Amps)	Bandwidth	Thermal (Offset)	Comments
DAQ-900 20 ch Multiplexer	2-wire solid-state (4-wire selectable)	450	120 V		10 MHz	< 4 µV	Built-in cold junction reference
DAQ-901 20 ch Multiplexer + 2 ch current	2-wire armature (4-wire selectable)	80	300 V	1A	10 MHz	< 4 µV	Built-in cold junction reference 2 additional current channels (22 total)
DAQ-903 40 ch Single-Ended Mux	1-wire armature (common low)	80	300 V		10 MHz	< 1 µV	No four-wire measurements
DAQ-904 4 x 8 Matirx	2-wire armature		300 V		10 MHz	< 1 µV	
DAQ-907 Multifunctiom Module	16 bits of digital input and output		42 V				Open drain
	100 kHz totalizer input		42 V		100 kHz		Input threshold selectable
	Two 18-bit analog outputs		± 12 V	± 24 mA			Max 40 mA total output per frame
DAQ-908 20 ch Actuator/General Purpose Switch	SPDT / form C		300 V			< 4 µV	
DAQ-909 8 ch HV Multiplexer + 2 ch current	2-wire armature (4-wire selectable)	60	DC 600 V AC 400 V	2A	10 MHz	< 4 µV	High voltage / high current channels
DAQ-919 8 ch HV Multiplexer	2-wire armature	60	DC 1000 V		10 MHz	< 4 µV	High voltage channels
DAQ-1000 30 ch Multiplexer	2-wire solid-state (4-wire selectable)	450	120 V		10 MHz	< 4 µV	Built-in cold junction reference (DAQ-1000T)
DAQ-1001 30 ch Multiplexer	2-wire armature (4-wire selectable)	80	300 V		10 MHz	< 4 µV	Built-in cold junction reference (DAQ-1001T)

Specifications subject to change without notice. DAQ-10600_GD1_BH_202610

ORDERING INFORMATION

DAQ-10600	Data Acquisition System (USB/LAN/Digital IO)
DAQ-10600 with GPIB	Data Acquisition System (USB/LAN/Digital IO and opt. GPIB)
DAQ-900	20-Channel Unversal Multiplexer
DAQ-901	20+2 Channels Universal Multiplexer
DAQ-903	40-Channel Single-Ended Multiplexer
DAQ-904	4 x 8 Matrix
DAQ-907	Multifunction Module
DAQ-908	20-Channel Actuator/General-Purpose Switch
DAQ-909	8+2 Channels High Voltage High Current Multiplexer
DAQ-919	8 ch HV Multiplexer
DAQ-1000	30 ch Universal Multiplexer
DAQ-1001	30 ch Universal Multiplexer
DAQ-1000T	Wiring box (DAQ-1000)
DAQ-1001T	Wiring box (DAQ-1001)

ACCESSORIES

Safety Instruction Sheet x 1, Power Cord x 1,
Screw Driver x 1, GTL-246 USB Cable x 1

OPTIONAL ACCESSORIES

GTL-248 GPIB Cable, Approx. 2000 mm

GOOD WILL INSTRUMENT CO., LTD.
No.7-1, Jhongsing Road, Tucheng Dist., New Taipei City 236, Taiwan
T +886-2-2268-0389 **F** +886-2-2268-0639
E-mail: marketing@goodwill.com.tw

Website Facebook Catalog

GW INSTEK
Simply Reliable