High Speed Data Acquisition System DAS1700



The DASI700 combines fast-sampling rates, a large hard drive, and a 15.6" touch screen display. With 3 slots for measurement boards, the DASI700 can be configured for your specific application. Choose any combination of 4 measurement boards for measuring voltage, current, temperature, and strain.

For capturing high speed or transient signals, the DAS1700 can simultaneously acquire and record 36 channels at 1 MSa/s, or 6 channels to the hard drive. It also comes with a 500 GB solid state hard drive for storing large amounts of data. The secondary file function allows you to record low and high-speed data in separate files to reduce file sizes.

A variety of options are available to extend the functionality of the DASI700 including battery operation, IRIG and GPS synchronization, CAN and LIN inputs, and an extension unit which provides 3 additional measurement board slots.

The intuitive user interface makes setup easy, and measurement results can be viewed graphically and numerically. Built-in analysis tools include a mathematical function editor and dedicated power analysis mode for analyzing single and 3-phase electrical networks.

Applications

- Measure and record up to 72 analog channels
- Perform R&D, maintenance, field testing, and process monitoring
- Analyze single or 3-phase power networks (up to 1,000 VAC)

For integrating with external systems and devices, the DAS1700 provides 16 logic (digital) inputs and 3 alarm outputs. Logic inputs can be recorded with analog data, or used to start and stop recording. Alarms can be configured based on any combination of analog or logic channels, and used to control external devices or send email notifications.

Connect to the DASI700 remotely via the built-in LAN interface or optional USB WiFi. Software utilities are provided for remote control, file transfer, and viewing live data on a PC.



Mess- und Prüftechnik. Die Experten.

Ihr Ansprechpartner / Your Partner:

dataTec AG

E-Mail: info@datatec.eu

Features and benefits:

- I MSa/s sampling rate on up to 36 channels simultaneously
- Up to 72 analog inputs (with multiplexed board and extension option)
- Measure up to 1000 VRMS
- 3 slots for measurement modules (expandable to 6)
- 4 measurement board types:
 - Universal (6 ch)
 - Multiplexed (12 ch)
 - Strain Gauge (6 ch)
 - High Voltage (6 ch)
- Temperature measurements with thermocouples and RTDs (Pt100/Pt200/Pt500/ Pt1000)
- 500 GB internal SSD hard drive (2 TB optional)
- Power Analysis mode for 50 Hz, 60 Hz, 400 Hz, and I kHz single or 3-phase electrical networks
- Advanced calculations and user defined math functions
- Battery option (up to 2 hours)
- I6 logic input channels Optional CAN and LIN inputs (2 ports each)
- Wide 15.6 inch touchscreen display
- Optional IRIG and GPS synchronization

- 4 USB host ports, LAN interface, and VGA outputs
- WiFi monitoring and control
- Rugged carrying case included

High Speed Data Acquisition System DAS1700

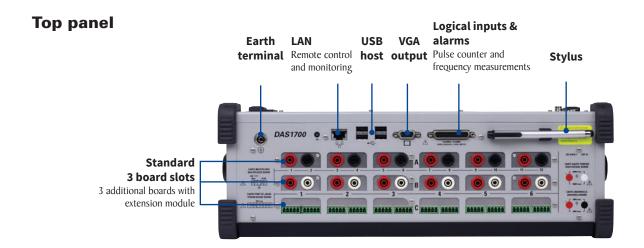
Front panel





Rear panel

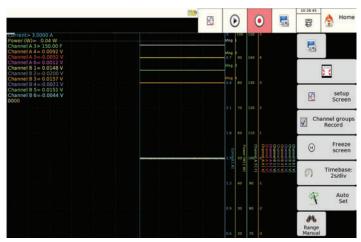




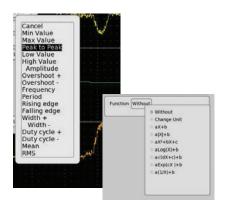
Operation highlights

							17.36.57
	A 1	A 2	AЗ	A 4	A 5	A 6	🛱 🐴 Home
Name :	Strain	K-type couple	Channel A 3	Channel A 4	Current	Channel A 6	
Channel ON/OF	On	On	On	On	On	On	
Type :	v	Th K	v	v	v	v	0
Filter :	10.0Hz	10.0Hz	1.0Hz	1.0Hz	1.0Hz	100Hz	Board A
Function :					aX+b		00
Range :	2.000 V	68.00 °F	1.000kV	1.000mV	2.000 A	5.000 V	Board B
Center zero :	0.0000 V	32.00 °F	0.00 V	7.0000mV	0.0000 A	0.0000 V	00000
Max:	1V	100 *F	500 V	7.5mV	2 A	2.5 V	Board C
Min:	-1 V	32 °F	-500 V	6.5mV	0 A	-2.5 V	
Threshold 1 :	250.0mV	80.00 °F	2.000mV	-1.000 V	500.0mA	500.0mV	Logic channels
Threshold 2 :	2.900 V	60.00 °F	2.000mV	-500.0mV	-500.0mA	1.000kV	User scripts
	B 1	B 2	в 3	B 4	B 5	B 6	
Name :	B 1 Channel B 1	B 2 Channel B 2	B 3 Channel B 3	B 4 Channel B 4	B 5 Channel B 5	B 6 Channel B 6	Functio 1 * *
							Function 1 * *
	Channel B 1	Channel B 2	Channel B 3	Channel B 4	Channel B 5	Channel B 6	Functio 1 * *
Channel ON/OF	Channel B 1 On	Channel B 2 On	Channel B 3 On	Channel B 4 On	Channel B 5 On	Channel B 6 On	Function 1 * *
Channel ON/OF Type :	Channel B 1 On V	Channel B 2 On V	Channel B 3 On V	Channel B 4 On V	Channel B 5 On V	Channel B 6 On V	Function
Channel ON/OF Type : Filter :	Channel B 1 On V	Channel B 2 On V	Channel B 3 On V	Channel B 4 On V	Channel B 5 On V	Channel B 6 On V	Functio 1 * *
Channel ON/OF Type : Filter : Function :	Channel B 1 On V Without	Channel B 2 On V Without	Channel B 3 On V Without	Channel B 4 On V Without	Channel B 5 On V Without	Channel B 6 On V Without	Function 1 * *
Channel ON/OF Type : Filter : Function : Range :	Channel B 1 On V Without 10.00 V	Channel B 2 On V Without 10.00 V	Channel B 3 On V Without 4.000kV	Channel B 4 On V Without 10.00 V	Channel B 5 On V Without 10.00 V	Channel B 6 On V Without 10.00 V	Functio 1 • •
Channel ON/OF Type : Filter : Function : Range : Center zero :	Channel B 1 On V Without 10.00 V 0.0000 V	Channel B 2 On V Without 10.00 V 0.0000 V	Channel B 3 On V Without 4.000kV 0.0000kV	Channel B 4 On V Without 10.00 V 0.0000 V	Channel B 5 On V Without 10.00 V 0.0000 V	Channel B 6 On V Without 10.00 V 0.0000 V	Functio 1 * *
Channel ON/OF Type : Filter : Function : Range : Center zero : Max:	Channel B 1 On V Without 10.00 V 0.0000 V 5 V	Channel B 2 On V Without 10.00 V 0.0000 V 5 V	Channel B 3 On V Without 4.000kV 0.0000kV 4kV	Channel B 4 On V Without 10.00 V 0.0000 V 5 V	Channel B 5 On V Without 10.00 V 0.0000 V 5 V	Channel B 6 On Without 10.00 V 0.0000 V 5 V	Functio 1 *

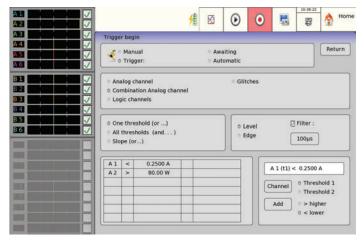
Channel setup displays parameters for up to 12 channels on a single screen



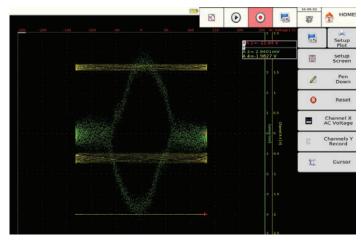
Oscilloscope like display mode with IO0 kHz bandwidth



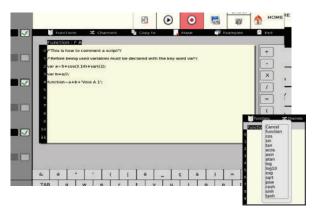
Use measurement calculations for on screen display, or software defined formulas on individual channels



Comprehensive triggering capabilities: Configure triggers on analog and logic input channels. Select from multiple combinations of thresholds, channels and conditions.



XY mode for plotting one varying signal versus another



Create user defined formulas on multiple channels with the included text editor for even greater control. The results are shown as dedicated virtual channels for ease of measurement.

The tools you need

CAN/LIN mode

Monitor and analyze industrial and automotive buses with the optional CAN and LIN interface. CAN 2.0 A/B LIN 1.3/2.X Analog signal comparison

CAN FD		Hardware fi	lterin	5		G G	raphi	cal wa	avefo	rm convei	sion
A B C D Channels ON	Record: (1µs) Stopped				\odot	•	01.51	<u>s</u>	HOME		A
	LIN channel	1				LIN chan	nel 2				A1
	Speed LIN BUS	19200 Hz	1	234	5	Speed LIN B	US	1000) Hz		<u>A</u>
	ID Data L	ength CRC			5	ID Dat	a Length	CRC			AND
	0 7 oc		4	000			octet	Normal			4.4
A 5	1 2 oc		6	789			octet	Normal			A.5
A 61	2 8 00		PIN	Design	nation		octet	Normal			A 6
	3 8 00		1		c		octet	Normal			
	4 8 oc	tet Normal	3	CC	M	4 8	octet	Normal			<u>A7</u>
	5 4 oc	tet Enhanced	4	N	c	5 8	octet	Normal			
89	6 5 oc	tet Normal	67	CC	DM IN	6 8	octet	Normal			4.9
	7 6 oc	tet Normal	8	Power supp	C (9-18V)	7 8	octet	Normal			
	8 8 oc	tet Enhanced				8 8	octet	Normal			1000
	9 8 oc	tet Enhanced 💌				9 8	octet	Normal	-		
				ne to visuali				4	Back		10000
Logic: 1234567890123456 Off			Fran	te to visual	ize				Back		Logic : Off
A B C D Channels ON	Record: (1µs) Stopped				۲	•	01.53	24	HOME		Channe
			Inp	ut Out	put						Channe
		Frame to visualize	1	2							
	CAN E		Caller						D		4
		Channel name Channel	_	ata length				dianess			
AS	CAN F B2	Voie B 1 CAN channel 1 Voie B 2 CAN channel 2	2	16 16	500	Unsign		endian	2		
		Vole B 2 CAN channel 2 Vole B 3 CAN channel 2	4	16	0	Unsign		e-endian e-endian	P		
A.6	Si 83 84	Vole B 4 CAN channel 2	0	16	0	Unsign		e-endian			
	Samp B5	Vole B 5 CAN channel 2	0	16	0	Unsign	-	e-endian	•		122
	✓ 12 B6	Voie B 6 CAN channel 2	0	16	0	Unsign	-	e-endian			
	PC C1	Voie C 1 CAN channel 2	0	16	0	Unsigne		e-endian	D		
	62	Voie C 2 CAN channel 2	0	16	0	Unsign	ed Littl	e-endian			
	3	Vole C 3 CAN channel 2	0	16	0	Unsign	ed Littl	e-endian			

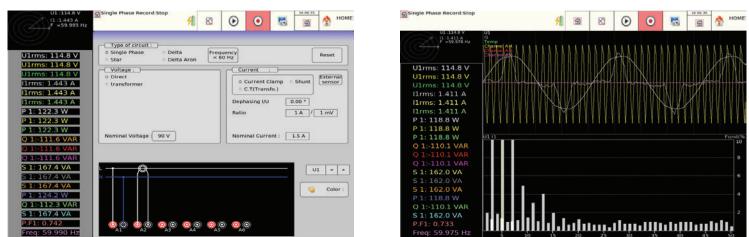
Frame to visual

Record: (1µs) Stopped А НОМЕ Input Output \checkmark A 1 CAN channel 1 CAN channel 2 CAN BUS speed 1MHz CAN BUS speed BRS CAN FD 8.000MHz CAN FD BUS speed CAN FD BUS speed 8 9 Silence mode Designa PIN Sampling point 80.00% CAN LON Sampling point 80.00% GND 🔽 120 ohm term 🚺 120 ohm te GND Powe CAN High NC Power supply Power supply Po Filter Filter Back Open a CANdb file Frame to visualiz 🖾 🕑 💽 🔜 🛱 🏠 HOM nel D 4=+0.3374 V 24 setup Screen ~ Validity Record Freeze • 0 Timebase 100ms/div R Auto Set Range

Save in csv format

Energy / Power Analysis

Logic: 1234567890123456 Off Open a CANdb file



Back

Back

Analyze up to 4 power networks simultaneously in three phase configurations Delta, Delta (Aron), or Star. The real time display of Fresnel diagram, oscilloscope mode, and harmonics (up to 50th) measure and display voltage, current and frequency up to 1 kHz.

sefram.com

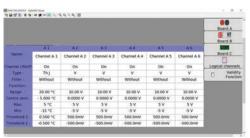
The tools you need

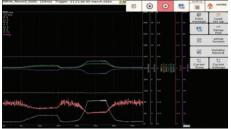
Virtual Network Computing (VNC) capability

The recorder's built-in VNC provides a graphical desktop system to remotely control the instrument from a computer with a full graphical interface that replaces the instrument's front panel using a mouse and keyboard

File Transfer Protocol (FTP)

Access remotely the internal hard drive of the recorder to drag and drop the recording files into your desktop.

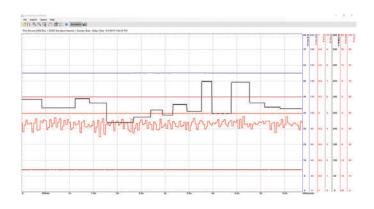


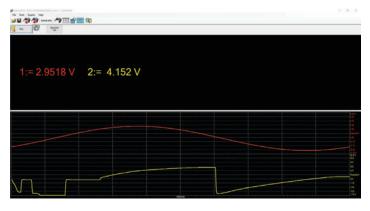


Channel setup and configuration

Measurement and evaluation

Full control of the Data Acquisition System on a computer or mobile device





Sefram Viewer and Sefram Pilot for DAS1700 are license free software that can be downloaded from www.bkprecision.com. The software tools provide the following features:

Sefram Viewer

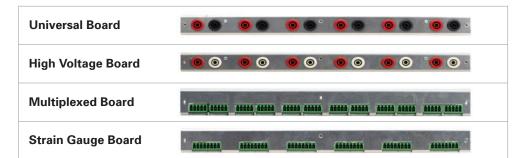
- Post acquisition analysis
- Display measurement results in graphical or numerical format
- **7** math functions such as y=ax+b, y=ln(x)+b, and y=exp(cx)+b
- Export measurement data to a csv or text file

Sefram Pilot for DAS1700

- Remote control and setup
- Channel and trigger configuration
- Export measurement data to a computer
- Start and stop recording
- Real time display

Measurement Boards

Configure the DASI700 to fit your needs with any combination of module boards with up to 3 in the base unit, or up to 6 with the extension option.





Extension option for up to 6 measurement boards

Measurement Boards

	Universal	High Voltage	Multiplexed	Strain Gauge
Channels	6	6	12	6
Maximum Voltage	± 500 V or 424 VRMS	± 1000 V or 1000 VRMS	± 50 VDC	± 50 VDC
RMS Voltage	\checkmark	\checkmark	-	-
Resolution	I4 bit	I4 bit	l6 bit	I6 bit
Sampling Rate	I MSa/s	I MSa/s	5 kSa/s	100 kSa/s
Voltage	\checkmark	\checkmark	\checkmark	
Current	\checkmark	\checkmark	\checkmark	
Frequency	\checkmark	\checkmark	-	-
Thermocouple	\checkmark	-	\checkmark	
Counter	\checkmark	\checkmark	-	-
Power Analysis	\checkmark	\checkmark	-	-
RTDs	-	-	Pt100/Pt200/Pt500/Pt1000	Pt100/Pt1000

Included accessories





One set of bare wire to banana adapters per channel

Also included: AC mains adapter 100 / 240 V, 25 pin male connector and backshell, soft wipe, stylus, screwdriver.

Optional accessories



Rackmount kit (917004000)

16 channel isolated logic adapter (917008000)

Specifications, Base Unit Note: All specifications apply to the unit after a temperature stabilization time of 30 minutes over an ambient temperature range of 23 °C \pm 5 °C.

Power Analysis Function			
Networks	Single phase, 3-phase, up to 4 networks simultaneously		
Frequency	50-60 Hz, 400 Hz, 1000 Hz		
Display	Fresnel diagram, oscilloscope, data		
Measurements	Mean value, RMS, peak, crest factor, THD and DF for voltage & current, active, reactive and apparent power, power factor (Ø)		
Harmonics	Calculated up to rank 50, with display and record		

Input	Input Channels, Alarms, and Power			
		16		
Input Channels (Logic)	TTL Maximum Voltage	24 V		
(20510)	Sampling Interval	I μs (I MSa/s) each channel		
Alarm outputs		Alarm A, voltage-free relay contact rating, 24 V 100 mA		
	B, C	B, C 5 V TTL		
Auxiliary Supply	9 to 15 VDC, 0.2 A limited			

IRIG Option				
Accuracy	5 ms			
Sampling Time Accuracy	10 E -12 (only for sampling rate \ge 200 µs)			
IRIG Formats	IRIG-AI33, AI32, A003, A002, BI23, BI22, B003, B002 and AFNOR NFS 87-500			
IRIG Signal Amplitude Range	600 mVpp to 8 Vpp			
Input Impedance	50 Ω			

GPS Option			
Output Accuracy	< ± 100 ns (TCXO, OCXO LQ) < ± 50 ns (OCXO MQ, OCXO HQ)		
Output Frequency	IO MHz TTL		
Resolution	100 ns		
Generated Time Codes	B002, B122, B003, B123, B006, B126, B007, B127, IEEEI344, C37.II8, AFNOR		
Input Impedance	50 Ω		

Data Acquisition System			
Manager Mada	Fastest sampling rate*	I MSa/s up to 36 channels	
Memory Mode	Memory	I28 M words	
File Mode	Fastest sampling rate*	I MSa/s up to 6 channels	
(SSD disk streaming)	Internal SSD memory	500 GB (2 TB option)	

(*) Universal and high voltage measurement board

	General
Internal Solid State Memory	500 GB (2 TB optional)
Operating Temperature	0 to 40 °C
Storage Temperature	-20 to 60 °C
Display	15.6" TFT LCD 1366 x 768 dots
Power Supply	99 VAC to 264 VAC, 47 to 63 Hz (80 VA max)
Interfaces	4 USB host ports, VGA, LAN
Battery (option)	Non removable, Lithium-ion
Typical Battery Life	2 hours
Weight (one card installed)	17.64 lbs (8 kg)
Dimensions (W x H x D)	10.67" x 18.58" x 6.06" (271 x 472 x 154 mm)
Warranty	2 Years
Supplied Accessories	Power cord, 25 pin male connector and backshell, rugged carrying case, bare wire to banana adapters, multiplexed board connectors (12), strain gauge board connectors (6), Stylus, soft wipe, screwdriver, calibration certificate and test report

Specifications, Measurement Boards Note: All specifications apply to the unit after a temperature stabilization time of 30 minutes over an ambient temperature range of 23 °C ± 5 °C.

Universal Input Board			
Number of Channels		6	
Voltage			
Maximum Input Voltage		± 500 VDC or 424 VRMS	
Accuracy		\pm 0.1% of the full scale + 10 μ V	
True RMS AC/DC Ra	anges	200 mV to 500 V	
RMS Voltage Accur	acy	1% of full range	
Response Time	-	100 ms typical (40 ms to 50 Hz)	
Crest Factor		2	
Input Impedance (I	DC)	$1\text{M}\Omega$ for ranges > 1 V, 25 M Ω for ranges < 1 V	
Input Capacitanc	e	I50 pF	
High Input Impedance	Option	10 M Ω for ranges > 1 V, 25 M Ω for ranges < 1 V	
Channel Isolatio	n	> 100 MΩ at 650 VDC	
Safety		CAT III 500 V	
Bandwidth and Filter	s		
Bandwidth (-3 dE	3)	100 kHz	
True RMS Bandwi	dth	5 Hz to 500 Hz	
Analog Filters		100 Hz, 1 kHz, 10 kHz (20 dB/decade slope)	
Digital Filters		< 100 Hz	
Sensitivity		100 mV RMS min.	
Duty Cycle		10%	
Frequency Range	2	I Hz to 100 kHz	
Basic Accuracy		0.02% of full scale	
Data Acquisition			
Resolution		l4 bits	
Sampling Interva	ıl	I μs (I MSa/s) each channel	
RMS Sampling Inte	rval	200 µs (5 kSa/s) each channel	
Temperature with Th	ermocou	ple	
	J	-346 °F to 2192 °F (-210 °C to 1200 °C)	
	Κ	-418 °F to 2498 °F (-250 °C to 1370 °C)	
	Т	-328 °F to 752 °F (-200 °C to 400 °C)	
Sensor Range hv	S	-58 °F to 3200 °F (-50 °C to 1760 °C)	
Sensor Range by Type (cold junction	В	392 °F to 3308 °F (200 °C to 1820 °C)	
compensation:	E	-418 °F to 1832 °F (-250 °C to 1000 °C)	
± 1.25 °C)	Ν	-418 °F to 2372 °F (-250 °C to 1300 °C)	
	С	32 °F to 4208 °F (0 °C to 2320 °C)	
	L	-328 °F to I652 °F (-200 °C to 900 °C)	
	R	-40 °F to 2732 °F (-40 °C to 1500 °C)	

High Voltage Board			
Number of Channels	6		
Voltage			
Maximum Input Voltage	± 1000 VDC or 1000 VRMS		
Accuracy	\pm 0.2% of the full scale		
DC Voltage Ranges	\pm 50 mV to \pm 1000 V		
AC Voltage Ranges	100 mV to 1000 VRMS		
RMS Voltage Accuracy	1% of full range		
Response Time	100 ms typical (40 ms to 50 Hz)		
Crest Factor	2.2		
Input Impedance	II M Ω for ranges < 10 V, 25 M Ω for ranges ≥ 1 V		
Input Capacitance	150 pF		
Channel Isolation	> 100 MΩ at 1500 VDC		
Safety	CAT III 1000 V and CAT IV 600 V		
Bandwidth and Filters			
Bandwidth	26 kHz		
True RMS Bandwidth	5 Hz to 500 Hz		
Analog Filters	100 Hz, I kHz, 10 kHz		
Slope	40 dB/decade		
Digital Filters	< 100 Hz		
Sensitivity	100 mV RMS min.		
Duty Cycle	10%		
Frequency Range	10 to 100 kHz		
Basic Accuracy	0.2% of full scale		
Data Acquisition			
Resolution	I4 bits		
Sampling Interval	I μs (I MSa/s) each channel		
RMS Sampling Interval	200 µs (5 kSa/s) each channel		

Specifications, Measurement boards (cont.) Note: All specifications apply to the unit after a temperature stabilization time of 30 minutes over an ambient temperature range of 23 °C ± 5 °C.

Multiplexed Board			
Number of Chan	nels	12	
Voltage		·	
Maximum Input Voltage		± 50 VDC	
DC Voltage Ran	ge	± 0.5 mV to ± 25 V	
Accuracy		\pm 0.1% of the full scale + 10 μV	
Input Impedance (DC)	I M Ω for ranges > 2 V, I0 M Ω for ranges < 2 V	
Input Capacitan	ce	I50 pF	
Bandwidth and Filte	rs	·	
Digital Filters		< 100 Hz	
Data Acquisition			
Resolution		I6 bits	
Sampling Interv	al	200 µs (5 kSa/s) each channel	
Temperature with Th	nermocou	ple	
	J	-346 °F to 2192 °F (-210 °C to 1200 °C)	
	К	-418 °F to 2498 °F (-250 °C to 1370 °C)	
	Т	-328 °F to 752 °F (-200 °C to 400 °C)	
Sensor Range by	S	-58 °F to 3200 °F (-50 °C to 1760 °C)	
Type (cold junction	В	392 °F to 3308 °F (200 °C to 1820 °C)	
compensation:	E	-418 °F to 1832 °F (-250 °C to 1000 °C)	
± 1.25 °C)	Ν	-418 °F to 2372 °F (-250 °C to 1300 °C)	
	С	32 °F to 4208 °F (0 °C to 2320 °C)	
	L	-328 °F to 1652 °F (-200 °C to 900 °C)	
	R	-40 °F to 2732 °F (-40 °C to 1500 °C)	
Temperature with R	D		
	Pt100	1.0 mA	
Current	Pt200	0.5 mA	
Curtein	Pt500	0.2 mA	
	Pt1000	0.1 mA	
Temperature Rar	ige	-328 °F to 1562 °F (-200 °C to +850 °C)	
Measurements		2, 3, 4 wires	
Accuracy at 20	°C	± 0.03 °C	

	Stra	ain Gauge Board			
Number of chann	iels	6			
Strain Gauge					
Units		μStr			
Bridge Type		Full Bridge, Half Bridge			
Bridge Voltage		\pm I V and \pm 2.5 V			
Accuracy		\pm 0.1% of the full scale + 10 μV			
Ranges (µStr)		1,000, 2,000, 5,000, 10,000			
Voltage					
Maximum Input Voltage		50 VDC			
Accuracy		\pm 0.2% of the full scale			
DC Voltage Range		I mV to 50 V			
Input Impedance		2 M Ω for ranges < 1 V, 1 M Ω for ranges > 1 V			
Bandwidth and Filter	S				
Bandwidth (-3 dB)		18 kHz			
Analog Filters		100 Hz, I kHz			
Digital Filters		< 100 Hz			
Data Acquisition					
Resolution		I6 bits			
Sampling Interv	al	IO μs (IOO kSa/s) each channel			
Temperature with Th	ermocou	ple			
	J	-346 °F to 2192 °F (-210 °C to 1200 °C)			
	К	-418 °F to 2498 °F (-250 °C to 1370 °C)			
	Т	-328 °F to 752 °F (-200 °C to 400 °C)			
Sensor Range by	S	-58 °F to 3200 °F (-50 °C to 1760 °C)			
Type (cold junction	В	392 °F to 3308 °F (200 °C to 1820 °C)			
compensation: ± 1.25 °C)	E	-418 °F to 1832 °F (-250 °C to 1000 °C)			
± 1.25 C)	N	-418 °F to 2372 °F (-250 °C to 1300 °C)			
	C	32 °F to 4208 °F (0 °C to 2320 °C)			
	L	-328 °F to 1652 °F (-200 °C to 900 °C)			
	R	-40 °F to 2732 °F (-40 °C to 1500 °C)			
Temperature with R1	D				
Current	Pt100	1.0 mA			
	Pt200	0.5 mA			
Temperature Range		-328 °F to I562 °F (-200 °C to +850 °C)			
Measurements		2, 3, 4 wires			
Accuracy at 20 °C		± 0.03 °C			

Ordering Information

Step 1: Determine the number and types of measurement boards for your application. Select up to 3 boards (base unit), or 6 with the optional expansion chassis.

Board Type	Supported Measurements	Channels	Part Number (factory installed)	Part Number (not installed)
Universal	Voltage (± 500 VDC or 424 VRMS), Temperature (thermocouples), and Current (with shunt)	6	DAS984401000	984401000
High Voltage	Voltage (± 1000 VDC or 1000 VRMS) and Current (with shunt)	6	DAS916006000	916006000
Multiplexed	Voltage (\pm 50 VDC), Temperature (with thermocouples and RTDs), and Current (with shunt)	12	DAS984402000	984402000
Strain Gauge	Bridge type measurements, Voltage (± 50 VDC), Current (with shunt), and Temperature (with thermocouples and RTDs)		DAS984402500	984402500

Note: Refer to the Measurement Boards and Specifications sections for additional information.

Step 2: Select factory installed base unit options

Option	Part Number	
CAN/LIN option ⁽¹⁾	917005500	
GPS option ⁽²⁾	917005600	
IRIG option ⁽²⁾	917005000	
2 TB Hard drive option	917007000	
Battery option ⁽¹⁾ (up to 2 hours of run time)	917003000	
Extension option (provides 3 additional measurement board slots)	917001000	
Fanless option ⁽¹⁾	917009000	

(I) Not compatible with the extension option

(2) The GPS and IRIG options cannot be installed at the same time

Step 3: Select your accessories

Accessory	Part Number
Rack mount kit	917004000
USB Wifi dongle	902402000
Isolated logic channel module	917008000
Logic channels patch cord	902407000
50 ohm shunt, 0.1%, 0.05A max	989007000
10 ohm shunt, 0.1%, 0.15A max	989008000
I ohm shunt, 0.1%, 0.5A max	989006000
0.1 ohm shunt, 1%, 1A max	989007200
0.01 ohm shunt, 1%, 3A max	989007100
0.01 ohm shunt, 0.5%, 30A max	207030301
0.001 ohm shunt, 0.5%, 50A max	207030500
Flexible AC current clamp 3000A	AI587
Banana / BNC female adapter	SO415

Step 4: Contact your authorized sales representative

Americas

- I. Order base unit (DASI700), measurement boards, and accessories separately.
- To request a quote, select "Quote Request" at <u>https://www.bkprecision.com/products/data-acquisition-recorders-loggers/</u> <u>DAS1700</u>. Use the "Application Information" field to list required accessories.

Or, visit our where to buy page at <u>https://www.bkprecision.com/wtb/where-to-buy</u> to view a list of authorized distributors.

Europe

- I. Configure system part number as follows: DAS1700/_XX__YY__ZZ_, where
 - XX = Quantity of Multiplexed boards
 - YY = Quantity of Universal boards
 - ZZ = Quantity of High Voltage boards

Note: The sum of the boards must be 3 or less; 6 or less when the optional expansion chassis is selected.

2. Order additional options and accessories separately per the tables above.

3. Visit https://www.sefram.com/en/contact-us.html to request a quote.