SD Card real time data recorder, Patent Fast recorder, min. 20 ms sampling time

FORCE GAUGE 100 Kg

Model: FG-6100SD *ISO-9001, CE, IEC1010*











The Art of Measurement

100 Kg SD Card real time recorder 10 ms sampling time recorder

FORCE GAUGE

Model: FG-6100SD

FEATURES

FEATURES					
*	Data record mode: Normal model or Peak hold mode.				
*	Normal record mode :				
	Set sampling time from 1 second to 8 hours.				
*	Peak hold record mode :				
	Set sampling time from 10 ms to 500 ms.				
*	Memory capacity of normal record mode: 1 GB to 16 GB.				
*	Memory capacity of peak hold record mode :				
	1000 data no. (max.)				
*	Under Peak hold record mode, if execute the " Data				
	record " function, the memory circuit will store 1000				
	data no. (max.) measuring data into the SD card per				
	fast speed sampling time (10 ms to 500 ms).				
*	Under Normal record mode, if execute the " Data record				
	" function, will save the measuring data along the real				
	time value (Year/Month/ Date/Hour/Minute/Second)				
	into the SD card per normal sampling time (1 second				
	to 8 hours).				
*	After save the data into the SD memory card, it can be				
	down load the data to the Excel directly, extra software				
	is no need. User can make the further data analysis (
	graphic analysis) by themselves.				
*	Large LCD display with back light.				
*	100 Kg, wide capacity, high resolution, high accuracy,				
	high repeatability.				
*	3 kind display unit : Kg, lb, Newton.				
*	Tension & compression capability .				
*	Peak hold (Max. load) can be held in display during				
	make tension or compression measurement.				
*	Zero button can operate both for normal measuring				
	& the " peak hold " operation.				
*	Full capacity zero (tare) control capability.				
*	Fast/Slow response time push button.				
*	Positive or reverse display direction select.				
*	Hand held & stand mounted gauges are available.				
*	Low power consumption gives long battery life.				
*	Build in low battery indicator.				
*	Microprocessor circuit & exclusive load cell				
L	transducer.				
*	Over load protection.				
*	No 202 computer interruce				
*	Built-in DC 9V power adapter input socket.				
*	Professional test stand (optional).				

SPECIFICATIONS

Display	LCD (Liquid crystal display).		
	5 digits, 16 mm (0.63") digit size.		
	Back light.		
Display	Positive or Reverse direction, select by		
Direction	the push button on the front panel.		
Function	Tension & Compression (Push & Pull).		
	Normal force, Peak hold (Max. load).		
Peak hold	Will freeze the display value of the		
	Peak load (Max. load).		
Zero	Zero button can be operated both for		
	"normal force" or "peak hold" operation		
Unit select	Kg, lb, Newton.		
Measure	100 Kg/220.5 lb/980.6 Newton.		
Capacity			
Resolution	0.02 Kg/0.02 lb/0.2 Newton.		
Min. Display	0.15 Kg/0.35 lb/1.4 Newton.		
Accuracy	\pm (0.5 % + 0.1 Kg), within 23 \pm 5°C.		
	* Under the test weight on 100 Kg & 10 Kg.		
Update time	Fast Approx. 0.2 second.		
	Slow Approx. 0.6 second.		
Over range	Display show " " when in over		
Indicator	range status.		
Overload	Max. 150 kg.		
Capacity			
Full Scale	Less than 1 mm.		
Deflection			

Normal data	Auto	1 sec to 8 hour 59 min. 59 sec.		
record mode	data	@ Sampling time can set to 1 second,		
	logger	but memory data may loss.		
Sampling Time	Manual	Push the data logger button		
Setting range	data	once will save data one time.		
	logger	@ Set the sampling time to		
		0 second.		
		@ Manual mode, can also select the		
		1 to 99 position (Location) no.		
Peak hold	00 mS.			
data record	* Each setting step is 10 mS.			
mode	* Auto data logger			
Sampling Time	* The memory circuit will store 1000			
Setting range	data no. (max.) measuring data.			
Data error no.				
Memory Card	SD memory card. 1 GB to 16 GB.			
Advanced	* SD memory card Format			
setting	1	ime (Year/Month/Date,		
	Hour/Minute/Second)			
	* Set sampling time (normal data record mode)			
	* Set sampling time (peak hold data record mode)			
	* Auto power OFF management			
	* Unit setting * Set beep Sound ON/OFF			
Data autnut		oint of SD card setting		
Data output		B PC computer interface.		
	1	the optional RS232 cable will get the RS232 plug.		
		the optional USB cable		
	1	vill get the USB plug.		
Zero/tare	Max. full ca			
Control	IVIAX. Tuli ca	pacity.		
Sensor type	S type load	cell		
Circuit		nicroprocessor LSI-circuit.		
Power Supply * Alkaline or heavy duty DC 1.5 V battery				
	(UM3, AA) x 6 PCs, or equivalent.			
* DC 9V ada		lapter input. (AC/DC power		
		s optional).		
Power Current		eration (w/o SD card save		
	data and LCD Backlight is OFF) :			
	Approx. DC 7 mA.			
	When SD card save the data and LCD			
	Backlight is	,		
	Approx.	DC 38 mA.		
	* If LCD backlight on, the power			
	consumption will increase approx.			
	3 mA.	(000-1, 1000-1)		
Operating	0°C to 50°C	(32°F to 122°F).		
Temperature	l and them O	1007 DII		
Operating	Less than 8	80% KH.		
Humidity	215 × 00 ×	4F mm (0 F v 2 F v 1 0 inch)		
Dimension Weight		45 mm (8.5 x 3.5 x 1.8 inch). 3 LB)/with batteries.		
Mounting				
Holes	0			
110103	mounting.	Title back case, casy stalla		
Accessories		manual1 PC.		
Included 100 Kg sensor with 2 hooks and				
	2 meter cable1 PC.			
	1	se1 PC.		
Optional	* SD memo	ory card (2 GB)		
Accessories	* Test stand, Model : FS-1001			
	* Wedge grip, Model : WG-01			
	* RS232 cable, Model: UPCB-02.			
	* USB cable, Model : USB-01			
	* Software	for data logging & data		
	recorder.			
		SW-U801-WIN.		
		ta acquisition software		
	Model : S	5W-L802		

^{*} Appearance and specifications listed in this brochure are subject to change without notice.