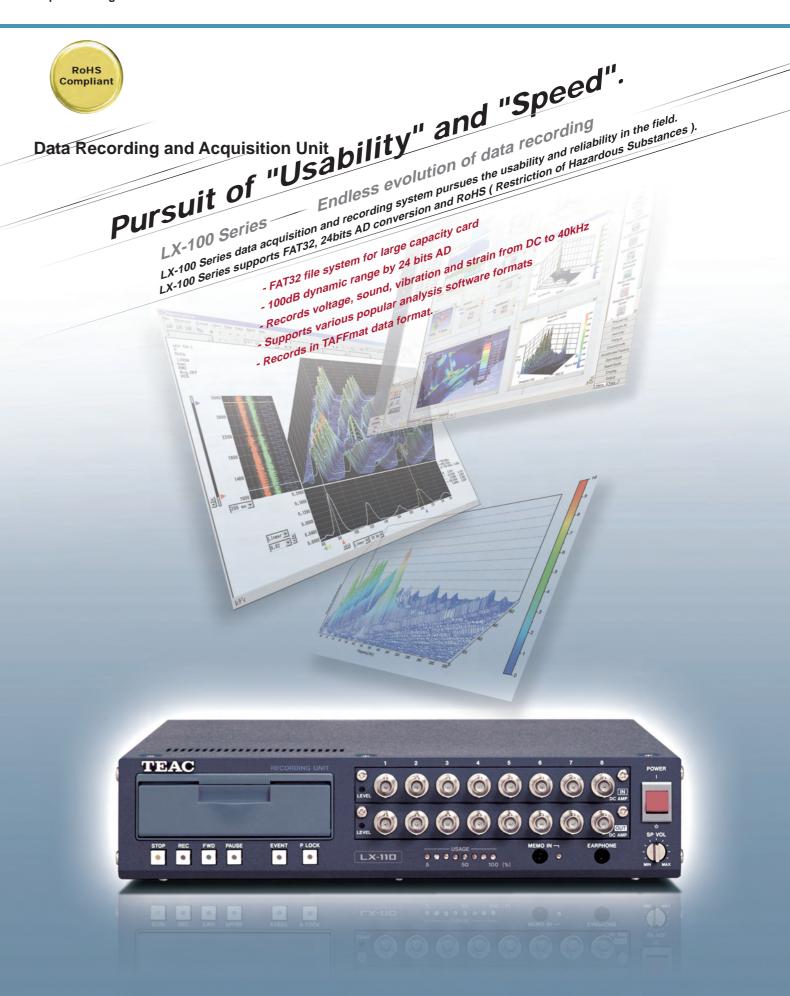
			D	c Inpu		-LXDC100)		_	1	PA	Input						1	_	Strain				
O Type hannels		nput 6ch	22ch	80	Input and C	utput 16ch			Input 16ch	32ch		Input a	and Outp	ut 16ch			Input 16ch	32ch		8ch	nput ar	nd Outp	ut 16ch
eight LX-110				3.9/8		6.1/13.4		_		6.1/13.4	3	.9/8.6		6.1/13.4			3.9/7.9			3.9/8.6			6.1/13.4
prox (kg/lb)			6.2/13.6	4/8.		6.2/13.6		1.7/8.1		6.2/13.6		4/8.8		6.2/13.6		3.7/8.1		6.2/13.6		4/8.8			6.2/13.6
wer LX-110		36 42	48 56	36 42	-	48 56		35 41	46 52	66 76		46 52		66 76		40 46	56 62	86 92		56 62			86 92
								41	52	70				70				32		02			32
Impling Frequencies X-110	96 / 48 / 24 / 12 / 6 / 3 / 1.5 kHz (Common to each Channel) Low speed sampling Cutoff Frequency Attenuation											Input Channel change 2 / 4 / 8 / 16 / 24 / 32 ch Recording Devices Choice of Memory only ,Memory + PC card drive *											
LX-120	1kH	400Hz	IHz)					PC card is Flash memory, supports up to 8GB capacity (FAT16 or FAT				32)											
	500	Hz			200Hz	-80dB (at 250										e of 10BASE-T/100BASE-TX or Firewire (IEEE1394)							
	2001	Hz			80Hz	-80dB (at 100	Hz)								(Specify of	ne wh	en you c	order)					
	100Hz 40Hz -80dB (at 50Hz)															WD, REC FWD, STOP, PAUSE, EVENT, P.LOCK							
	50Hz 20Hz -80dB (at 25Hz)								(Aliasing may occur at and under 5Hz sampling)				Monitor output level +/-1 to 5				log output) , BNC 5 V (0.1 V step)						
	20Hz 8Hz -80dB (at 10Hz) 10/5/2/1Hz 4Hz -80dB (at 5Hz)																						
			i0s (cycle)		4Hz -80dB (at 5Hz) 4Hz -80dB (at 5Hz)				d under	5Hz sam	pling)	Microphone Jack 1 Speaker and Earphone Jack 1 each											
ampling Frequencies			25.6 / 12.8 / 5	5 12 / 2 50		*000B (at 3F12	,									Approx. 1.6 MB/s, PC card Approx.0.8 MB/s							
X-120 only					.096 / 2.048 / 1.02	4 kHz										y Approx. 1.6 MB/s, PC card Approx.0.8 MB/s e (IEEE1394) Approx. 1.6 MB/s, Ethernet Approx. 0.8 MB/s							
	100 / 5	50 / 20 /	10/5/2/1	kHz (Cor	mmon to each Ch	annel)						Time Precision +/-1 ppn				e (IEEE1394) Approx. 1.6 MB/s, Ethernet Approx. 0.8 MB/s m (25 deg C)							
achometer Pulse Input						2 bit Channels (Hig						Temperature and Humidty 5 to 35d							RH (Oper	ration)			
						e used simultaneou	usly with ge	enerato						seconds adjustment									
					pulse timing bit.							Power Supply 11 to 30 Sofety Standards CE VCC											
			: Threshold le tor : BNC	evel selec	ctions +0.5/1/2.5/	10/20 V (Max allov	vable input	it voltaç	t voltage is 50V)			for the m											
			tor : BNC	otting	1 to 255											ms to MIL-STD-810 Figure 514.4-1,2,3							
																models with memory only memory + PC card drive x 300 x 65 x 200 mm							
	Moving Average Measurement : 1 to 16 Measurement Mode : Pulse count mode(Count of number of pulses within the of								: Conu	nt of the to	otal	(The set of Program set of Program set of A				x 300 x 65 x 200 mm x 11 13/16" x 2 9/16" x 7 7/8"							
	numbe	er from	start to stop),	Cycle co	ount mode, Frequ	ncy measurement r	node, RPI																
enerator Output ••••																							
			ut Channels :			P : 1																	
	Output	signal	: Sine wave,			Pink noise, White	noise																
ut Format					alanced							d and Unbalan							Balanc		Inbalance	d	
put Coupling					DC			Balanced DC, Balanced AC, Unbalanced DC					;	DC									
ut Impedance					M ohm 2/5/10/20/50 V			1 M ohm +/- 0.01/0.0316/0.1/0.316/1/3.16/10/50 V							1 M ohm DC mode : +/- 1/2/5/10 V, ST mode : 500/1000/2000/5000/10000/					10000/			
out Range rer-range to +/-127%)			+	,-0.5/1/2	10/20/30 V					+/- (-0.1/0.010/1/3.1	5 10/30 V			DC mode : +/- 1/2/5/10 V, ST mode : 500/1000/2000/5000/10000/ 20000/50000/100000 microST, Precision(range value) +/-1% or less							
solute Max. Input Voltage				+/-	- 100 V					+/- 5	i0 V, but +/-	100 V in the +/-	50V range						,	+/- 25		,	
									Weighting				FLAT/A/C				Gauge Factor 2.0 Bridge Connection Fu						
										HPI	F	OFF/10	/20 Hz			Applicable	e Gauge Res	sistance	120 to 2000	D ohm		Bridge Meth	od D
								Supply volta				e 28V DC/4mA				Remote	Sensing		Possible Bridge Voltage				ge 21
										for a	a sensor					Balance			+/- 10000 m				10
et a tra a tra a tra a					1						···· 1 [7] ··· (#)		CII. (0. 1.0		4)		Method		By electroni			(0.10	
ti aliasing filter F	Joint use of both a digital filter(*) and an analog filler(2nd Order Butteworth)								Joint use of both a digital filter(*) and an analog filler(2nd Order Butteworth)					irth)	Joint use of both a digital filter(*) and an analog filler(2nd Order Buttewor 10,30,100,300,1k,3k,10k,30kHz,Pass:-48dB OCT Butterworth filter (Swit								
•																							to Pass Joi
																			ind an ana				
equency Bandwidths			DC to the same	npling free	quency (listed abo	ove)/2.4		DC	Couplin	g : DC to t	he samplin	g frequency (lis	ted above)/2	.4,		DC	Method	: DC to th	e sampling	g frequen	cy (listed	above)/2.4	4, +0.5/-3 d
				+/-0	0.5 dB			AC	Couplin	g:1Hz to	the samplir	ng frequency (lis	sted above)/	2.4, +/-0.5	dB	ST	Method :	DC to 30	kHz, +0.	5/-3 dB			
um,of Quantizing Bits					ts/24Bits							6bits/24Bits								16bits/24			
onversion Method	128 time	s over sa	ampling delta si			nes over sampling at	40kHz 1	128 time	es over s	ampling de	-		64 times ov	r sampling a	at 40kHz	128 tim	es over s	ampling d	-			4 times ov	er sampling
nearity stortion Factor	C	See De	equenies		% or less	Distortion fact			Sampl	ing Freque		0.1 % or less Input Range	Distor	ion factor		DC	mode · e	same as D		/-0.1 % o	r iess		
	96kH	phing i re	equernes	weasur	Measurement Fequency Distortion factor 20kHz +/-0.1% or less			48k, 96kHz				0.316V or over +/-0.1% or less				ST mode : (SCF : 10kHz, 30kHz),							
	48kHz				10kHz +/-0.07% or less							0.1V or less +/-0.2% or less				Sampling Frequencies 24kHz, 96kHz							
	24kH	z or les:	s		fs / 4.8	+/-0.4% or les	s		24k or	less		All	+/-0.4	% or less			1	0000micr	oST 0.1%				
				+/-0.1 %	% or less						+/-	0.1 % or less							+/	/-0.1 % or	r less		
inge Accuracy		Input Range band (dB)						Input Range ba				ind (dB) 20kHz 40kHz				Input I	Range	band	(dB)	1kHz	3kHz	10kHz	20kHz
gnal to Noise ratio		Input R	of 20V		84 / 96 (in band) 84 / 94 (in band)			0.01V			64 / 67 60 / 63		60 / 63		0.25 mV/V			67 62	62				
nal to Noise ratio bits/24bits)		Input R Other o							0.031	6V			74/77	69 / 72		0.5 m				73	68	64	
gnal to Noise ratio Sbits/24bits) 5 deg C)		Other o 20V							0.1V											75	74	71	
gnal to Noise ratio Sbits/24bits) 5 deg C) 5/N is a difference of noise le	evel for 10	Other o 20V 0% of e	each input rang	ge. Dyna e ≈ S/N +	amic range is the	accuracy specified							83/86	77 / 80		1 mV/		/ 50 mV/\	/	75	75	75	87/93
nal to Noise ratio ibits/24bits) i deg C) /N is a difference of noise lev ere is the accuracy of the ar	evel for 10 el of each nalog outp	Other o 20V 0% of e input. E	each input rang Dynamic range n using an inp	e ≈ S/N + ut amp a	amic range is the +2dB The overall and an analog out	l accuracy specified put amp, and may	1		0.316				87 / 93	77 / 80		2.5/5							
gnal to Noise ratio bits/24bits) i deg C) i/N is a difference of noise lev and a difference of noise leve re is the accuracy of the a iffer depending on the frequ	evel for 10 el of each nalog outp	Other o 20V 0% of e input. E	each input rang Dynamic range n using an inp	e ≈ S/N + ut amp a	amic range is the +2dB The overall and an analog out	l accuracy specified put amp, and may			0.316	/ 1 V 10 / 50 V						2.5/5	/ 10 / 25 5 / 10 V						01/35
	evel for 10 el of each nalog outp Jency char	Other of 20V 0% of e input. I out when acteristi	each input rang Dynamic range n using an inp tics and the inp	e ≈ S/N + out amp ar put range	amic range is the +2dB The overall and an analog out	l accuracy specified put amp, and may			0.316	10 / 50 V	ban	d (dB)	87 / 93	77 / 80	}	2.5/5	5 / 10 V	band	(dB)	1kHz	 3kHz	 10kHz	0//33
nal to Noise ratio ibits/24bits) i deg C) /N is a difference of noise lev a difference of noise lever ere is the accuracy of the a iffer depending on the frequ	evel for 10 el of each nalog outp Jency char	Other of 20V 0% of e input. I out when acteristi	each input rang Dynamic range n using an inp	e ≈ S/N + out amp ar put range	amic range is the +2dB The overall and an analog outp e of the input amp 20kHz -82 / -88	Accuracy specified put amp, and may - - 40kHz or less -80 / -86			0.316 3.16/	10 / 50 V Range	ban	d (dB)	87 / 93 87 / 98	77 / 80 77 / 80		2.5 / 5 1 / 2 /	5 / 10 V Range	band	(dB)	 1kHz -67	 3kHz -62	 10kHz -58	0//35
gnal to Noise ratio bits/24bits) i deg C) i/N is a difference of noise lev and a difference of noise leve re is the accuracy of the a iffer depending on the frequ	evel for 10 el of each nalog outp Jency char	Other of 20V 0% of e input. E out when acteristi	each input rang Dynamic range n using an inp tics and the inp	e ≈ S/N + out amp ar put range	amic range is the +2dB The overall and an analog out e of the input amp 20kHz	accuracy specified put amp, and may 40kHz or less	3		0.316 3.16 /	10 / 50 V Range	ban	d (dB)	87 / 93 87 / 98 20kHz	77 / 80 77 / 80 40kHz		2.5 / 5 1 / 2 /	5 / 10 V Range nV/V	band	(dB)				0//33
nal to Noise ratio bits/24bits) deg C) /N is a difference of noise lev ere is the accuracy of the a ffer depending on the frequ	evel for 10 el of each nalog outp Jency char	Other of 20V 0% of e input. E out when acteristi	each input rang Dynamic range n using an inp tics and the inp	e ≈ S/N + out amp ar put range	amic range is the +2dB The overall and an analog out e of the input amp 20kHz -82 / -88	Accuracy specified put amp, and may - - 40kHz or less -80 / -86			0.316 3.16/ Input 0.01V 0.0310 0.1V	10 / 50 V Range 6V		d(dB)	87 / 93 87 / 98 20kHz -64 -73 -78	77 / 80 77 / 80 40kHz -60 -69 -74		2.5 / 5 1 / 2 / Input I 0.25 m 0.5 m ¹ 1 mV/	5 / 10 V Range nV/V V/V V			-67 -73 -75	-62 -68 -74	-58 -64 -71	
pnal to Noise ratio bits/2/bits) i deg C) /// is a difference of noise ler nd a difference of noise ler er is the accuracy of the a differ depending on the frequ osstalk	evel for 10 el of each nalog outp jency char	Other o 20V 0% of e input. [uut when acteristi Input R All	each input rang Dynamic range n using an inpi tics and the inp	e ≈ S/N + put amp al put range dB)	amic range is the +2dB The overall and an analog out e of the input amp 20kHz -82 / -88 (in band)	accuracy specified put amp, and may 40kHz or less 80 / -86 (in band)			0.316 3.16/ Input 0.01V 0.031 0.1V 0.316	10 / 50 V Range 6V / 1 / 3.16 /	10 / 50 V		87 / 93 87 / 98 20kHz -64 -73 -78 -78	77 / 80 77 / 80 40kHz -60 -69 -74 -74		2.5/5 1/2/ Input I 0.25 m 0.5 m ¹ 1 mV/ 2.5/5	5 / 10 V Range nV/V V/V V / 10 / 25	/ 50 mV/\	1	-67 -73 -75 -75	-62 -68 -74 -75	-58 -64 -71 -75	
gnal to Noise ratio bitis/24bits) is deg C) Ni sa difference of noise ler nd a difference of noise ler er is the accuracy of the a er is the accuracy of the a differ depending on the frequ osstalk	evel for 10 el of each nalog outp jency char	Other o 20V 0% of e input. [uut when acteristi Input R All	each input rang Dynamic range n using an inpi tics and the inp	e ≈ S/N + put amp al put range dB)	amic range is the +2dB The overall and an analog out e of the input amp 20kHz -82 / -88	accuracy specified put amp, and may 40kHz or less 80 / -86 (in band)		1 d	0.316 3.16/ Input 0.01V 0.031 0.1V 0.316	10 / 50 V Range 6V / 1 / 3.16 /	' 10 / 50 V Hz or less)), 3 deg or less	87 / 93 87 / 98 20kHz -64 -73 -78 -78	77 / 80 77 / 80 40kHz -60 -69 -74 -74		2.5/5 1/2/ Input I 0.25 m 0.5 m ¹ 1 mV/ 2.5/5	5 / 10 V Range nV/V V/V V / 10 / 25	/ 50 mV/\		-67 -73 -75 -75	-62 -68 -74 -75	-58 -64 -71 -75	
gnal to Noise ratio biblts/24bits) is deg C) Ni is a difference of noise lev ere is the accuracy of the a differ depending on the frequ osstalk er-channel phase difference DS sensor	evel for 10 el of each nalog outp jency char	Other o 20V 0% of e input. [uut when acteristi Input R All	each input rang Dynamic range n using an inpi tics and the inp	e ≈ S/N + iut amp au put range dB) ess), 3 de	amic range is the +2dB The overall and an analog out of the input amp 20kHz -82 / -88 (in band) leg or less (At 400 	accuracy specified put amp, and may 40kHz or less 80 / -86 (in band)		1 d	0.316 3.16/ Input 0.01V 0.031 0.1V 0.316	10 / 50 V Range 6V / 1 / 3.16 /	' 10 / 50 V Hz or less)), 3 deg or less ssible (V 0.9)	87 / 93 87 / 98 20kHz -64 -73 -78 -78	77 / 80 77 / 80 40kHz -60 -69 -74 -74		2.5/5 1/2/ Input I 0.25 m 0.5 m ¹ 1 mV/ 2.5/5	5 / 10 V Range nV/V V/V V / 10 / 25	/ 50 mV/\	/ Hz or less	-67 -73 -75 -75 s), 3 deg 	-62 -68 -74 -75 or less (<i>J</i>	-58 -64 -71 -75 tt 400 kHz	
gnal to Noise ratio biblts/24bits) is deg C) M is a difference of noise lei nd a difference of noise lei re is the accuracy of the a differ depending on the frequ osstalk er-channel phase difference DS sensor uut Connecter Type	evel for 10 el of each nalog outp iency char	Other o 20V 0% of e input. [uut when acteristi Input R All	each input rang Dynamic range n using an inpi tics and the inp	e ≈ S/N + iut amp au put range dB) ess), 3 de	amic range is the #2dB The overall an analog out e of the input amp 20kHz -82 / -88 (in band) leg or less (At 400 BNC	accuracy specified put amp, and may . 40kHz or less -80 / -86 (in band) kHz or less)		1 d	0.316 3.16/ Input 0.01V 0.031 0.1V 0.316	10 / 50 V Range 6V / 1 / 3.16 /	' 10 / 50 V Hz or less)), 3 deg or less ssible (V 0.9) BNC	87 / 93 87 / 98 20kHz -64 -73 -78 -78 (At 400 kHz	77 / 80 77 / 80 40kHz -60 -69 -74 -74		2.5/5 1/2/ Input I 0.25 m 0.5 m ¹ 1 mV/ 2.5/5	5 / 10 V Range nV/V V/V V / 10 / 25	/ 50 mV/\ s (At 20 k	/ Hz or less	-67 -73 -75 -75 s), 3 deg 	-62 -68 -74 -75 or less (<i>P</i>	-58 -64 -71 -75 at 400 kHz	
pnal to Noise ratio bits/2/bits) i deg C) N/ is a difference of noise ler differ depending on the frequ orstalk ar-channel phase difference DS sensor but Connecter Type tiput Format	evel for 10 el of each nalog outp iency char	Other of 20V 0% of e input. I but when acteristi Input R All	aach input rang Dynamic range n using an inpi ics and the inp tange band ((At 20 kHz or k	e ≈ S/N + iut amp au put range dB) ess), 3 de	amic range is the #2dB The overall an analog out e of the input amp 20kHz -82 / -88 (in band) BNC Unbalanc	accuracy specified put amp, and may . 40kHz or less -80 / -86 (in band) kHz or less)		1 d	0.316 3.16/ Input 0.01V 0.031 0.1V 0.316	10 / 50 V Range 6V / 1 / 3.16 /	' 10 / 50 V Hz or less)), 3 deg or less ssible (V 0.9) BNC	87 / 93 87 / 98 20kHz -64 -73 -78 -78 -78 (At 400 kHz salanced	77 / 80 77 / 80 40kHz -60 -69 -74 -74		2.5/5 1/2/ Input I 0.25 m 0.5 m ¹ 1 mV/ 2.5/5	5 / 10 V Range nV/V V/V V 10 / 25 eg or les:	/ 50 mV/\ s (At 20 k 	/ Hz or less	-67 -73 -75 -75 s), 3 deg 	-62 -68 -74 -75 or less (<i>P</i> ECG0 Typ Unba	-58 -64 -71 -75 At 400 kHz De) alanced	
nal to Noise ratio bits/24bits) deg C) N is a difference of noise le da difference of noise le rei si the accuracy of the a tier depending on the frequ sstalk r-channel phase difference DS sensor ut Connecter Type put Format put Coupling	evel for 10 el of each nalog outp iency char	Other o 20V 0% of e input. [uut when acteristi Input R All	each input rang Dynamic range n using an inpi tics and the inp	e ≈ S/N + iut amp au put range dB) ess), 3 de	amic range is the #2dB The overall and an analog out e of the input amp 20kHz -82 / -88 (in band) ieg or less (At 400 BNC Unbalant DC	accuracy specifiec put amp, and may 40kHz or less -80 / -86 (in band) kHz or less)		1 d	0.316 3.16/ Input 0.01V 0.031 0.1V 0.316	10 / 50 V Range 6V / 1 / 3.16 /	' 10 / 50 V Hz or less)), 3 deg or less ssible (V 0.9) BNC Unt	87 / 93 87 / 98 20kHz -64 -73 -78 -78 (At 400 kHz balanced DC	77 / 80 77 / 80 40kHz -60 -69 -74 -74		2.5/5 1/2/ Input I 0.25 m 0.5 m ¹ 1 mV/ 2.5/5	5 / 10 V Range nV/V V/V V / 10 / 25	/ 50 mV/\ s (At 20 k	/ Hz or less	-67 -73 -75 -75 s), 3 deg 	-62 -68 -74 -75 or less (<i>I</i> ECG0 Typ Unba	-58 -64 -71 -75 At 400 kHz we) alanced DC	
nal to Noise ratio bits/2/bits) deg C) N is a difference of noise lev and a difference of noise lev rere is the accuracy of the a field depending on the freque sastalk archannel phase difference DS sensor ut Connecter Type tput Format tput Format tput Coupling tput Impedance	evel for 10 el of each nalog outp iency char	Other of 20V 0% of e input. I but when acteristi Input R All	aach input rang Dynamic rangp lics and the inp lics and the inp lange band ((At 20 kHz or le 	e ≈ S/N + iut amp au put range dB) ess), 3 de	amic range is the #2dB The overall an analog out e of the input amp 20kHz -82 / -88 (in band) BNC Unbalanc	accuracy specifies out amp, and may 		1 d	0.316 3.16/ Input 0.01V 0.031 0.1V 0.316	10 / 50 V Range 6V / 1 / 3.16 /	' 10 / 50 V Hz or less)), 3 deg or less ssible (V 0.9) BNC Unt 7	87 / 93 87 / 98 20kHz -64 -73 -78 -78 -78 (At 400 kHz salanced	77 / 80 77 / 80 40kHz -60 -69 -74 -74 -74 : or less)		2.5/5 1/2/ Input I 0.25 m 0.5 m ¹ 1 mV/ 2.5/5	5 / 10 V Range nV/V V/V V 10 / 25 eg or les:	/ 50 mV/\ s (At 20 k 	/ Hz or less	-67 -73 -75 -75 -75 s), 3 deg pin, 10ø (l	-62 -68 -74 -75 or less (/ ECG0 Typ Unb:	-58 -64 -71 -75 At 400 kHz De) alanced	or less)
nal to Noise ratio bits/24bits) deg C) N is a difference of noise le d a difference of noise le re is the accuracy of the a fifer depending on the frequence possible of the second second second second second second second second second second post Connecter Type tput Connecter Type tput Connecter Type tput Format tput Connecter Type tput Format tput Format tput Impedance tput Range	evel for 10 el of each nalog outpuency char iency char 1 deg d	Other of 20V 0% of e input. I but when acteristi Input R All	aach input rang Dynamic rangp lics and the inp lics and the inp lange band ((At 20 kHz or le 	e ≈ S/N + hut amp a put range dB) ess), 3 de	amic range is the #2dB The overall an analog out e of the input amp 20kHz -82 /-88 (in band) BNC Unbalanc DC 75 ohn	accuracy specifiec yout amp, and may 40kHz or less -80/-86 (in band) kHz or less) ced n 1 V Step		1 d	0.316 3.16/ Input 0.01V 0.031 0.1V 0.316	10 / 50 V Range 6V / 1 / 3.16 /	10 / 50 V Hz or less Pos), 3 deg or less ssible (V 0.9) BNC Unt 7	87 / 93 87 / 98 20kHz -64 -73 -78 -78 (At 400 kHz valanced DC '5 ohm V , 0.1 V St	77 / 80 77 / 80 40kHz -60 -69 -74 -74 -74 e or less)		2.5/5 1/2/ Input I 0.25 m 0.5 m ¹ 1 mV/ 2.5/5	5 / 10 V Range nV/V V/V V 10 / 25 eg or les:	/ 50 mV/ s (At 20 k 	/ Hz or less Lemo 7-p	-67 -73 -75 -75 s), 3 deg pin, 10ø (l	-62 -68 -74 -75 or less (/ ECG0 Typ Unba 5 +/-1 to 5 V	-58 -64 -71 -75 kt 400 kHz we) alanced DC ohm ', 0.1 V St	or less)
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ROGA Instruments

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TEAC

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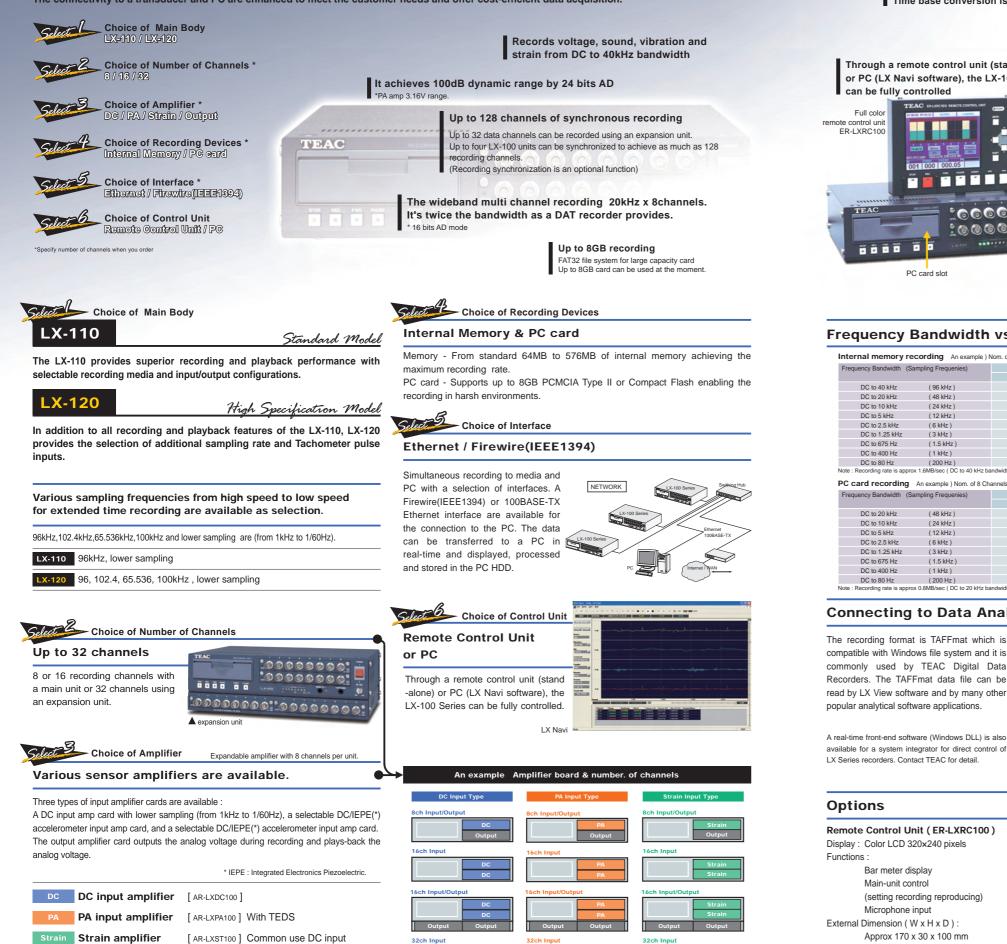
LX-100 Series

LX-100 series accepts the needs of customers.

[AR-LXAO100] lower sampling will be available in the near future.

Output Output amplifier

LX-100 Series data acquisition and recording system was designed for reliable use in the lab and the field, and quick data processing. Following the convenience of TEAC DAT technology, the LX-100 Series enables a wider recording bandwidth. The connectivity to a transducer and PC are enhanced to meet the customer needs and offer cost-efficient data acquisition.



Time base conversion is possible in playback. Recording format is TAFFmat, which is supported by many popular analysis software applications. Through a remote control unit (stand-alone) or PC (LX Navi software), the LX-100 Series can be fully controlled

The analog monitor output is available during recording.



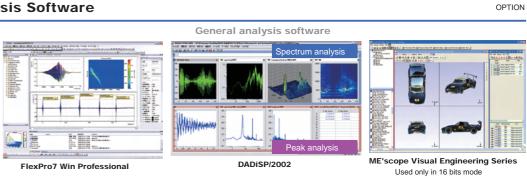
Frequency Bandwidth vs. Recording Time

requency Bandwidth (Sa	ampling Frequenies)	Recording Time					
		16bit	24bit				
DC to 40 kHz	(96 kHz)	Approx 6 minute	-				
DC to 20 kHz	(48 kHz)	Approx 12 minute	Approx 6 minute				
DC to 10 kHz	(24 kHz)	Approx 24 minute	Approx 12 minute				
DC to 5 kHz	(12 kHz)	Approx 48 minute	Approx 24 minute				
DC to 2.5 kHz	(6 kHz)	Approx 1 h 36 min	Approx 48 minute				
DC to 1.25 kHz	(3 kHz)	Approx 3 h 12 min	Approx 1 h 36 min				
DC to 675 Hz	(1.5 kHz)	Approx 6 h 24 min	Approx 3 h 12 min				
DC to 400 Hz	(1 kHz)	Approx 9 h 36 min	Approx 4 h 48 min				
DC to 80 Hz	(200 Hz)	Approx 48 hour	Approx 24 hour				
te : Recording rate is appro	x 1.6MB/sec (DC to 40 kHz ba	andwidth x 8ch)					

Frequency Bandwidth (Sampling Frequenies)	Recording Time							
	16bit	24bit						
DC to 20 kHz (48 kHz)	Approx 1 h 20 min	-						
DC to 10 kHz (24 kHz)	Approx 2 h 40 min	Approx 1 h 20 min						
DC to 5 kHz (12 kHz)	Approx 5 h 20 min	Approx 2 h 40 min						
DC to 2.5 kHz (6 kHz)	Approx 10 h 40 min	Approx 5 h 20 min						
DC to 1.25 kHz (3 kHz)	Approx 21 h 20 min	Approx 10 h 40 min						
DC to 675 Hz (1.5 kHz)	Approx 42 h 40 min	Approx 21 h 20 min						
DC to 400 Hz (1 kHz)	Approx 64 hour	Approx 32 hour						
DC to 80 Hz (200 Hz)	Approx 320 hour	Approx 160 hour						
Note : Recording rate is approx 0.8MB/sec (DC to 20 kHz bandwidth x 8ch)								

Connecting to Data Analysis Software

The recording format is TAFFmat which is compatible with Windows file system and it is commonly used by TEAC Digital Data Recorders. The TAFFmat data file can be read by LX View software and by many other popular analytical software applications.



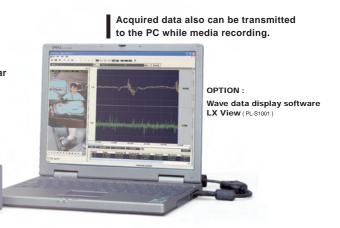
Options

Remote Control Unit (ER-LXRC100) Display : Color LCD 320x240 pixels Functions -Bar meter display Main-unit control (setting recording reproducing) Microphone input External Dimension (W x H x D): Approx 170 x 30 x 100 mm (excluding protruding Parts) Weight: Approx 0.65 kg (excluding cables)

Battery Unit (BU-81) Internal Battery Pack : HP-30L from Paco Electronics Industry Inc. Num. of Internal Battery Packs : 3 (battery packs described below) External Dimension (W x H x D): Approx 300 x 27.5 x 200 mm 11 13/16" x 1 1/16" x 7 7/8" (excluding protruding Parts)

Weight: Approx 1.5 kg/3 lb (excluding the battery pack and mounting brackets)

Data Recording and Acquisition Unit LX-100 Series LX-110 / LX-120



Trigger recording

Voice Memo recording

A voice memo can be recorded, which simplifies the future data searches. Trigger recording offers the pre-trigger, level-trigger, the repeat and interval recording.

> DC power supply and AC adapter OPTION : Battery Unit

Synchronous video and data recording

AQ-VU is a visual data recorder with which 4-channels of video and analog signals can be synchronously recorded and played back.

By synchronizing LX-100 series data recorder with AQ-VU, a variety of data measurements are possible



Battery Pack (HP-30L) (Paco Electronics Industry Inc.) Supply voltage :13.2V Capacity : 3.3 Ah Weight : Approx 700 g /1.5lb Size : NP1type Battery charger for Battery Pack

(KH-2S from Paco Electronics Industry Inc.) Power Supply : 100V AC (200V AC Automatic reshuffling) Slot for Battery Pack : 4



Vehcle Mount Adapter

