

**Multi-Channel Recorder
Digital Recorder
SAMTAC-20/SAMTAC-20S**

TOKYO SOKUSHIN CO., LTD.

3-14-34, OUGI, ADACHI-KU, TOKYO.
TEL 03-3855-5911 FAX 03-3855-5921
URL <http://www.to-soku.co.jp>

Selectable Recording from 3 to 36ch (3 units)

GPS Synchronization/Network Connection/Real Time Data Output

Recordable of continuous data with extension CF card

SAMTAC-20: Display Seismic Intensity & Class on LCD(*)

SAMTAC-20S: Display Max. Measured Value on LCD when earthquake occurs (Max. 9-axis)



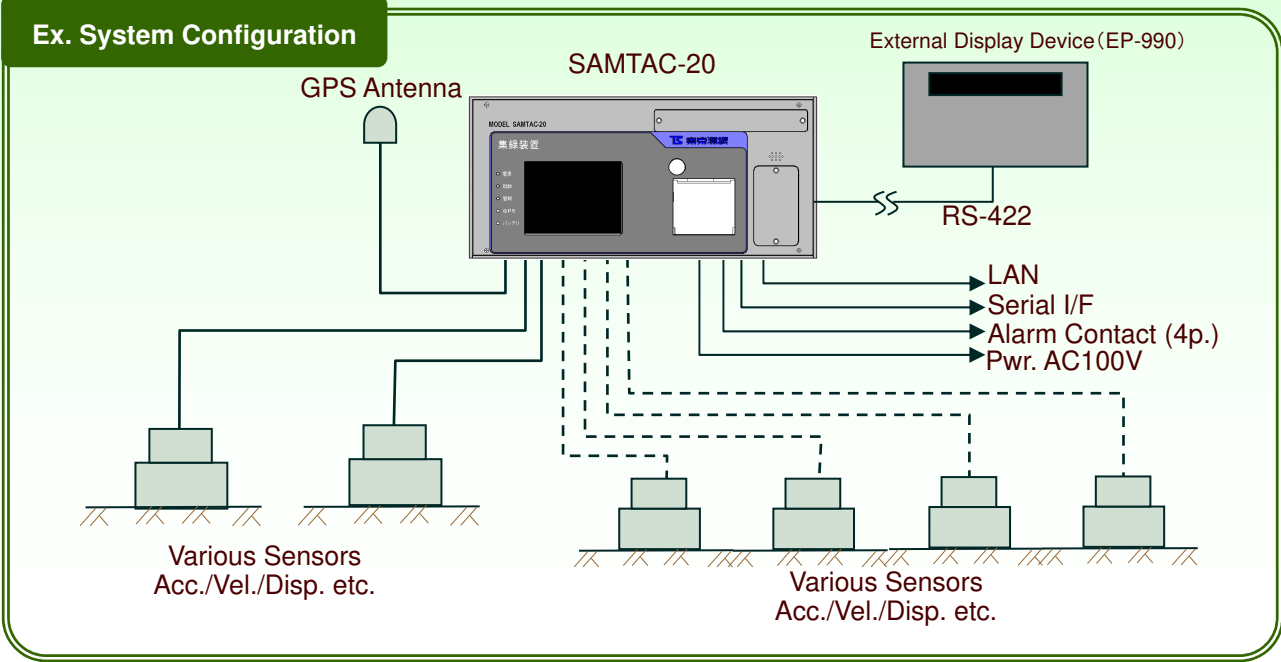
SAMTAC-20

Display Screen (Image)



(*) SAMTAC-20

Ex. System Configuration



Specifications

Name		Multi-channel recorder Digital recorder	
Type		SAMTAC-20	SAMTAC-20S
Input	No. of axis	Maximum 36-axis (3-axis units)	
	Meas. range	±10V	
	AD converter	24bit	
	Sampling freq.	100, 200, 500, 1000Hz	100, 200, 250, 500, 1000Hz
	Filter	Butterworth type (-36dB/oct) Cut off frequency 30,45,60,90,120,150,180Hz (-3dB) Fixing cut off frequency 30Hz by sampling frequency 100Hz Sampling frequency 100Hz	Butterworth type (same as SAMTAC-20) FIR (Min. phase)
	Arrester	Equipped with an arrester at the input end	
Start-up	Level	0.1~900Gal	
	Judgement	OR and AND of any 4 axis	
Measurement	Calculated value	Starting date and time, Intensity class, Measured, seismic intensity, Maximum acceleration (Synthetic value of each axis and 3 axis), Predominant period, Maximum velocity (Synthetic value of each axis and 3 axis). SI value (Horizontal axis and Horizontal vector composite value)	Starting date and time, Max. acceleration
	Clock	Calibration by GPS or NTP Accuracy : ±3μs (GPS)	
Record	Media	CF card ×2pcs, Max. 32GB (CF1: Trigger recording CF2: Continuous recording)	
	Length of time	Max. 30min. by 1 seismic recording (Valuable length in units of 1 sec.)	
	Pre-trigger	10 to 120 sec.	
	Contents	Measured value, Recording conditions, Waveform data (WIN32 basis)	
Display Opera.	Method	5.7 inch. Color LCD touch panel	
	Contents	Current date and time, Operation conditions, Intensity class, Measured intensity class, Max. Acc., Max. Vel., SI value	Starting date and time, Max. value (up to 9 axis)
Printing	Method	32-digit thermal line dot type	
	Contents	Starting date and time, Intensity class, Measured intensity class, Max. Acc., predominant period, Max. Vel. SI value, All axis max. value	Starting date and time, Max. value of all axis
Comm..	LAN	10 Base-T / 100 Base-TX, 1port	
	RS-232C	Max. 115.2 kbps, 1port	
	RS-422	External display only (option) 1 port: Max. 38.4kbps	
Alarm	Signal	Non-voltage a contact /4 circuits /AC125V 0.3A,DC24V 1A (both resistive load)	
	Conditions	Seismic intensity and arbitrary setting for each stage by acceleration	
	Buzzer	Can be turned ON/OFF by setting at startup.	
Testing	Detector	Drives the built-in test coil of the detector	
Power source	Operation	AC100~240V (±10%)、50/60Hz	
	Consumption	24VA (12 axis spec.)	
	Compensation	Built-in backup battery for about 1hr. (varies depending on the number of recorded axis and sensor's configuration)	
Opera.	Temp./moisture	-10°C~45°C / 90%RH or less (with no condensation)	
External	Size	429(W) × 300(D) × 198(H) mm (Compatible with JIS rack, not incl. mounting bracket)	
	Weight	10kg	

Note: The specification may change without any notice because of the improved product.



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August 2020