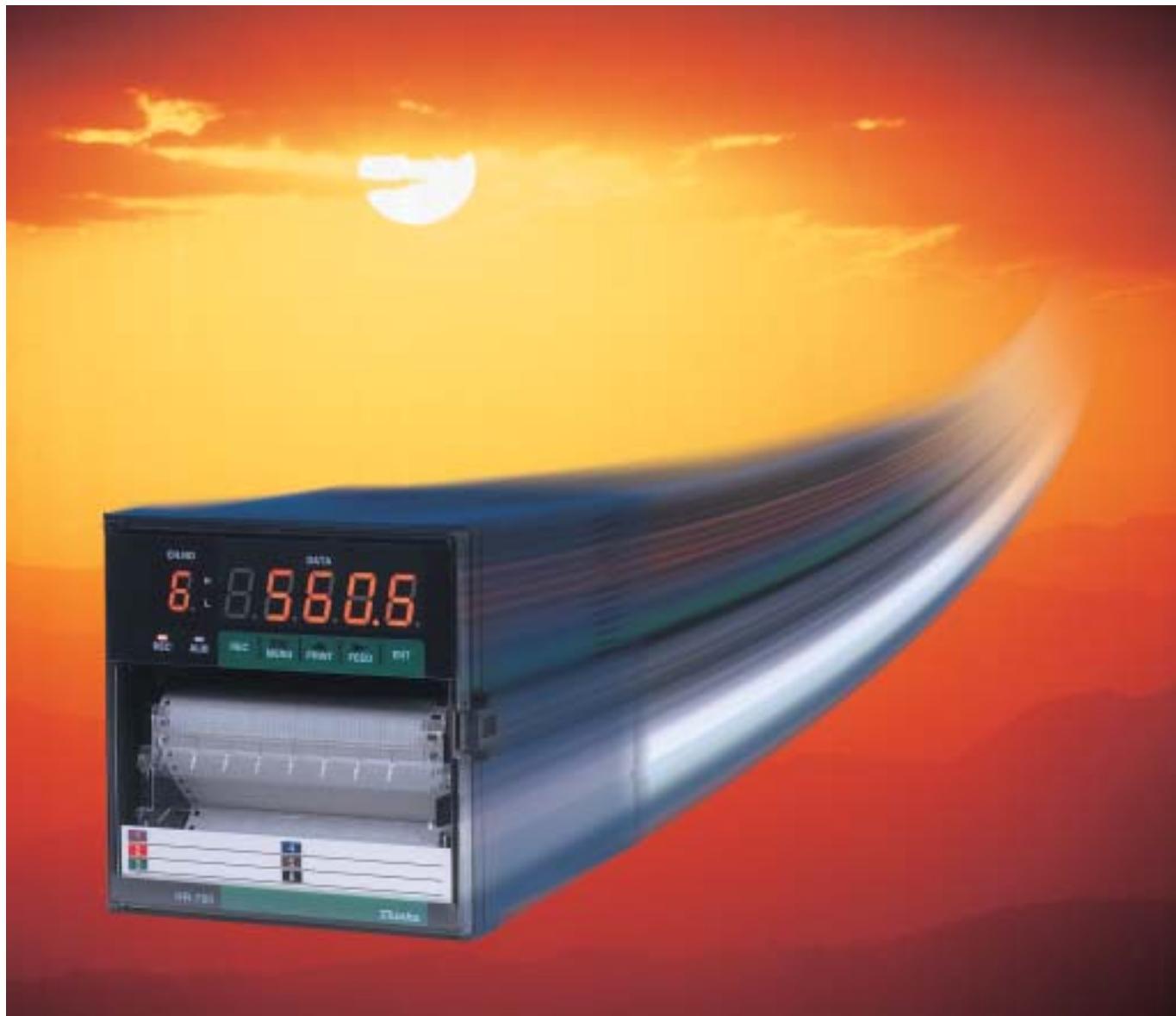


Hybrid Recorder



HR-700 Series



Hybrid Recorder

*A smaller, lighter recorder
with RS-232C provided as standard.*

Shinko

Compact: 150mm in depth, 1.5kg in weight

Available for side panel mounting

Communication interface is provided

Open communication (factory connection) system or remote communication: RS-232C (download) or RS-485 (option)

Larger LED display

16.0 digit, 10mm in height

Dust-proof · Drip-proof (IEC65 IP65)

Stand up to even harsh environments such as dust and water splashes.

Conformity standard

CE, CEMI and CE marking

■ Model name

Model	Model	Model
Input	CH1	0.00~999.999 (100x 0.001mm)
Output	1	Linear (Proportional output)
	2	Linear (Proportional output) (Analog output system)
	3	Linear (Proportional output) (Digital output system)
	4	Communication function (RS-485)
Function	485	RS-485 (Analog input type)
	485C	RS-485 (Proportional type)
	485T	RS-485 (Analog input function)
	485D1	Analog output function (Analog input type)
	485D2	Analog output function (Proportional type)

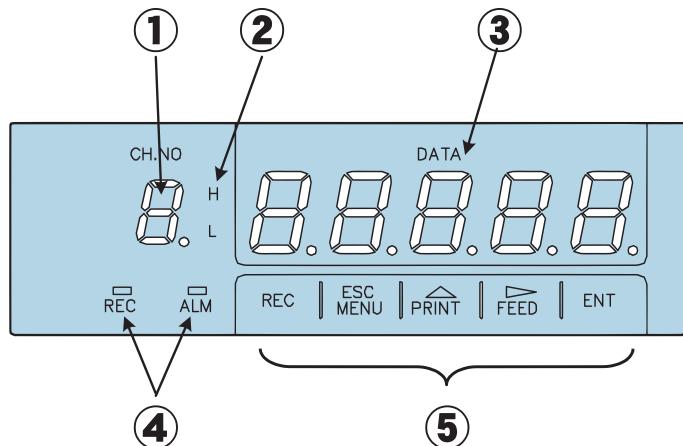
* When ordering, select the option under "Measuring accuracy" from the following table.
When ordering options, enter the code after "Model".

■ Rated scale and accuracy

Input	Range	Measuring (Digital display)		Resolution	Reporting (Analog)
		Measuring accuracy	Reporting accuracy		
Analog input	R1 200.0mm~999.99mm	+/-0.1% (0.1% of reading + 0.1mm)	+/-0.1% (0.1% of reading + 0.1mm)	0.01%	Measuring accuracy +/-0.1% (0.1% of reading + 0.1mm)
	R2 200.0mm~999.99mm	+/-0.1% (0.1% of reading + 0.1mm)	+/-0.1% (0.1% of reading + 0.1mm)		
	R3 200.0mm~999.99mm	+/-0.1% (0.1% of reading + 0.1mm)	+/-0.1% (0.1% of reading + 0.1mm)		
	R4 200.0mm~999.99mm	+/-0.1% (0.1% of reading + 0.1mm)	+/-0.1% (0.1% of reading + 0.1mm)		
	R5 200.0mm~999.99mm	+/-0.1% (0.1% of reading + 0.1mm)	+/-0.1% (0.1% of reading + 0.1mm)		
	R6 200.0mm~999.99mm	+/-0.1% (0.1% of reading + 0.1mm)	+/-0.1% (0.1% of reading + 0.1mm)		
	R7 200.0mm~999.99mm	+/-0.1% (0.1% of reading + 0.1mm)	+/-0.1% (0.1% of reading + 0.1mm)		
	R8 200.0mm~999.99mm	+/-0.1% (0.1% of reading + 0.1mm)	+/-0.1% (0.1% of reading + 0.1mm)		
	R9 200.0mm~999.99mm	+/-0.1% (0.1% of reading + 0.1mm)	+/-0.1% (0.1% of reading + 0.1mm)		
	R10 200.0mm~999.99mm	+/-0.1% (0.1% of reading + 0.1mm)	+/-0.1% (0.1% of reading + 0.1mm)		
RS-485	R11 200.0mm~999.99mm	+/-0.1% (0.1% of reading + 0.1mm)	+/-0.1% (0.1% of reading + 0.1mm)	0.01%	Measuring accuracy +/-0.1% (0.1% of reading + 0.1mm)
	R12 200.0mm~999.99mm	+/-0.1% (0.1% of reading + 0.1mm)	+/-0.1% (0.1% of reading + 0.1mm)		
	R13 200.0mm~999.99mm	+/-0.1% (0.1% of reading + 0.1mm)	+/-0.1% (0.1% of reading + 0.1mm)		
	R14 200.0mm~999.99mm	+/-0.1% (0.1% of reading + 0.1mm)	+/-0.1% (0.1% of reading + 0.1mm)		
	R15 200.0mm~999.99mm	+/-0.1% (0.1% of reading + 0.1mm)	+/-0.1% (0.1% of reading + 0.1mm)		
	R16 200.0mm~999.99mm	+/-0.1% (0.1% of reading + 0.1mm)	+/-0.1% (0.1% of reading + 0.1mm)		
	R17 200.0mm~999.99mm	+/-0.1% (0.1% of reading + 0.1mm)	+/-0.1% (0.1% of reading + 0.1mm)		
DC voltage	V1 0V~20mV	+/-0.1% (0.1% of reading + 0.1mm)	+/-0.1% (0.1% of reading + 0.1mm)	0.01%	Measuring accuracy +/-0.1% (0.1% of reading + 0.1mm)
	V2 0V~20mV	+/-0.1% (0.1% of reading + 0.1mm)	+/-0.1% (0.1% of reading + 0.1mm)		
	V3 0V~20mV	+/-0.1% (0.1% of reading + 0.1mm)	+/-0.1% (0.1% of reading + 0.1mm)		
	V4 0V~20mV	+/-0.1% (0.1% of reading + 0.1mm)	+/-0.1% (0.1% of reading + 0.1mm)		
	V5 0V~20mV	+/-0.1% (0.1% of reading + 0.1mm)	+/-0.1% (0.1% of reading + 0.1mm)		
	V6 0V~20mV	+/-0.1% (0.1% of reading + 0.1mm)	+/-0.1% (0.1% of reading + 0.1mm)		

* In the case of DC voltage input, input resistor (load resistor) is required.

■ Display and operation keys



① Channel number indicator

Shows the channel's channel number (max. 4).

② Alarm indicator

Indicates the type of alarm.

[H/L] indicates whether the alarm is high or low. Number of times it will trigger when it occurs.

③ Data indicator

Indicates the present status: timer, setting value and setting time range limit.

④ Status indicators

Indicates when reporting is on. Indicate when reporting is being triggered.

⑤ Operation keys

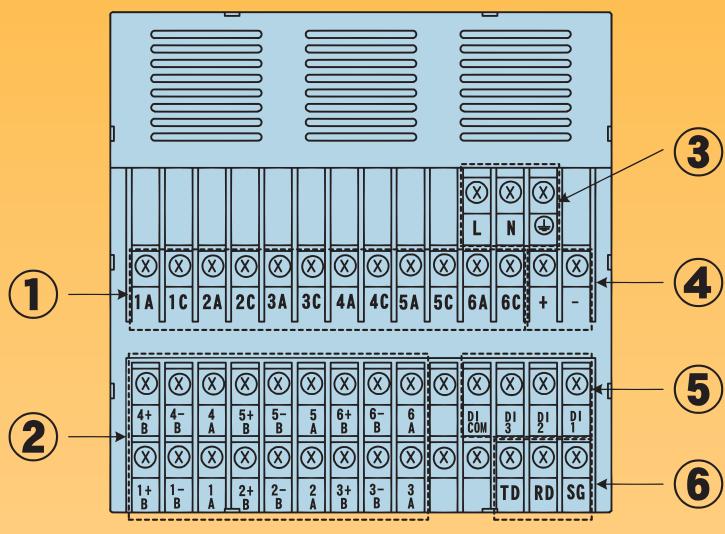
For performing the setting and other operations.

Standard specifications

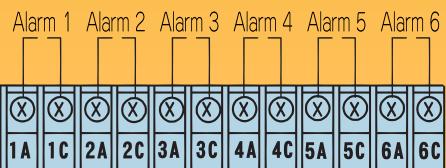
Optional specifications

Communication functions [Co]	Communication function: RS-485, two-wire interface, 1200, 2400, 4800, 9600
	Remote I/O point (1 point) (Maximum) Changeable I/O point (1 point) (Maximum)
Di function [Df] [DfE]	Changeable I/O point (1 point) (Maximum) Changeable I/O point (1 point) (Maximum)
Binary output func- tion functions [Bi]	Binary output function: RS-485, two-wire interface, 1200, 2400, 4800, 9600
Axon output function [Ax1B] [Ax1E]	Output number: • One writing type, 1 point (start in option, A function) • One reading type, 1 point (start in option, A function) Output quantity: 1200 (Maximum) 36 (Reservable, ev1) 1201 (Maximum) 36 (Reservable, ev1) 1202 (Maximum) 36 (Reservable, ev1)

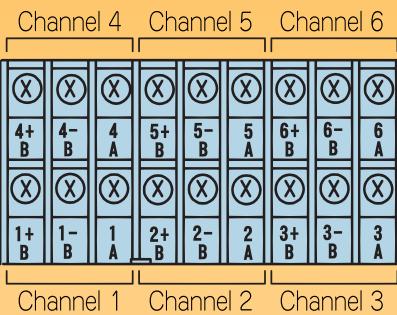
■ Terminal arrangement



1. Alarm output terminal (Option)

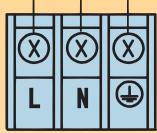


2. Input terminal

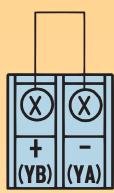


3. Power Supply terminal

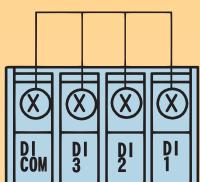
100 to 240Vac (50/60Hz)



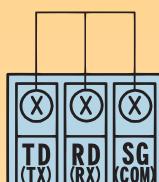
4. RS-485 Communication terminal (Option)



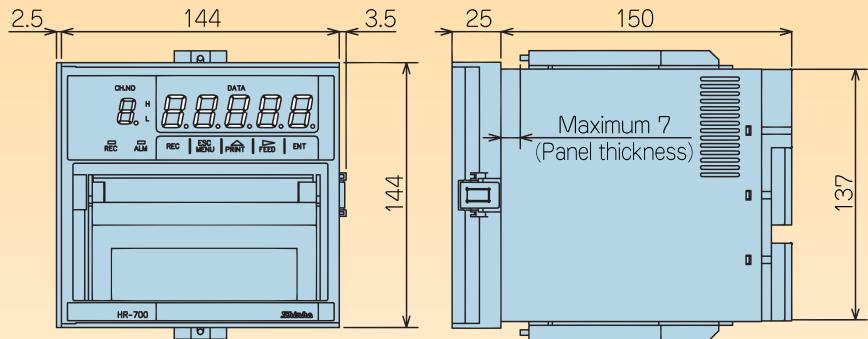
5. DI Function terminal (Option)



6. RS-232C Communication terminal

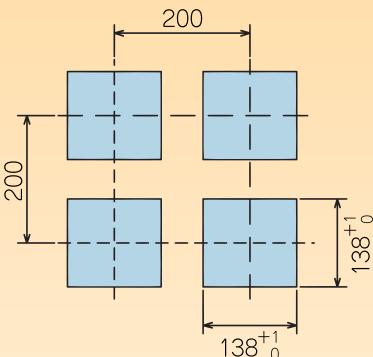


■ External dimension



Allowable inclination angle : Backward 0 to 30° or less

■ Panel cutout



- This catalog is as of December 2003, and specifications are subject to change without notice.
- When inquiring, please consult our agency or the shop where you purchased the unit.

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