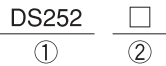# DS252

PAPERLESS RECORDER

DIN 96
RoHS

● Mass recording in CF card

Weight/load data of indicator or DS252 statistical data can be mass-recorded in CF Card.The data equivalent to amount of data printable on 400 rolls ※of rolled paper can be recorded in 128MB CF card.Even without a CF Card, The data equivalent to amount of data printable on 1 roll ※or more rolled paper can be recorded in DS252 internal memory.

※In comparison with Unipulse printer M252B
(which is able to print 8000 rows on 1 roll of rolled paper)
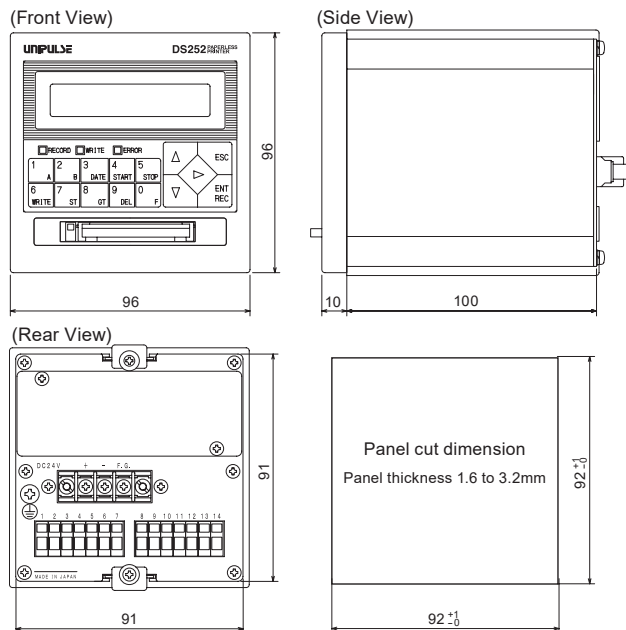
Record data is CSV format.

● Code-table function

The code can use alphanumeric characters and/or symbols for up to 6 characters or digits. Up to 100 codes can be classified and tallied out in each channel.

● High-level statistical calculation function

DS252 is pre-loaded with a function that calculates grand total, sub-total, maximum, minimum, average or standard deviation of the recorded data.At the same time, DS252 is able to grasp the extent of data variation using its frequency distribution function.

● Simple operation & code-table registration via PC

DS252 codes can be saved in the CF Card. And reversely, codes saved in the CF card can be written in DS252 internal memory.
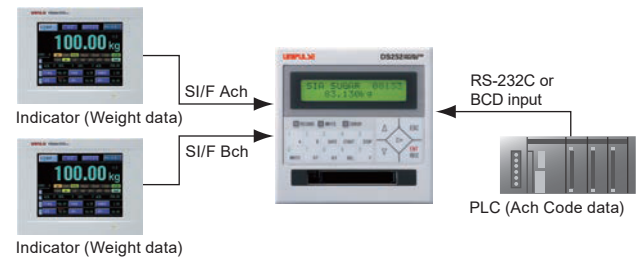
● Optional interfaces

Basically, SI/F interfaces are installed in 2 channels to enable the economical double channels recordings. However, as option interfaces, there are RS-232C and BCD input interfaces available.
With that, data from various kinds of devices can be recorded.

■ Application Example :
Recording code data of an option and weight data of an indicator

Indicator (Weight data)
SI/F Ach
SI/F Bch
Indicator (Weight data)
RS-232C or BCD input
PLC (Ach Code data)

By entering via the front panel key, weight data with code can be recorded in both A ch and B ch. Code data of A ch can also be entered via an optional interface.

Structure of product code

DS252 □
① ②

①Standard unit　②Interface

Sign	Interface
Standard	SI/F (2ch)

One optional interface can be added in addition the standard interface.

232	RS-232C
BCI	BCD input

External dimension

(Front View)

(Side View)
96
10   100

(Rear View)
DC24V + - F.G.
91
91

Panel cut dimension
Panel thickness 1.6 to 3.2mm
92 ⁺¹₋₀
92 ⁺¹₋₀

Unit mm

Specifications

CARD SLOT	Card specification	CF-Card (Type I or Type II)
	Power supply	5V
	Available capacity	Card Max. 512 MB (FAT16)
	File format	CSV Format Text File
	File name	ddhhmmss.csv (dd: day, hh: hour, mm: minute, ss: second)
	File writing method	WRITE→ENT key input
		GT→ENT key input
		Rear panel input (WRITE terminal)
		Rear panel input (GT terminal)
		In case of Full Internal Memory
		Write when the pre-set recording frequency is exceeded
		Setting time
DISPLAY		Black & white LCD display of 16 digits 4.3mm height characters at 2 rows
FUNCTIONS	Data recording method	REC key input
		Rear panel input (REC terminal)
		Auto Recording command input (via SI/F, RS-232C)
		Automatic recording based interval setting (1 – 9999 sec)
	Details of recorded data	Date, Time, Input value, Unit, Status, Code name (6-digits),
		Count (1 to 9999 counts), Sub-total (9-digits), Grand Total (9-digits),
		Batch Total, Maximum Value,Minimum Value, Average,Standard
		Deviation, Range (Max - Min), Frequency Distribution, Error, Over
INTERFACE		SIF: 2-wire type serial interface (2 ch provided as standard)
		BCI: BCD Parallel data input interface (Option)
		232: RS-232C communication interface (Option)
		Only one option can be installed.
GENERAL SPECIFICATIONS	Power supply voltage	DC24V±15%
	Power consumption	Max. 150 mA
	Inrush current	10A (800μsec(Typ))
	Operation condition	Temperature: Operation Temperature Range: 0℃ to +40℃
		Storage Temperature Range: -20℃ to +70℃
	External dimension	Humidity: 85% RH or less (non-condensing)
	Weight	96(W)×96(H)×110(D)mm (not including protrusions)
		App. 0.8 kg
ATTACHMENTS		Mini driver ···1
		BCD input connector (When BCD input option is selected) ··········1
		Operation Manual ···1
OPTIONAL ACCESSORIES	CF128M:	CF Card 128 MByte
	CF-ADP:	CF Card adapter (ATA TYPE II)