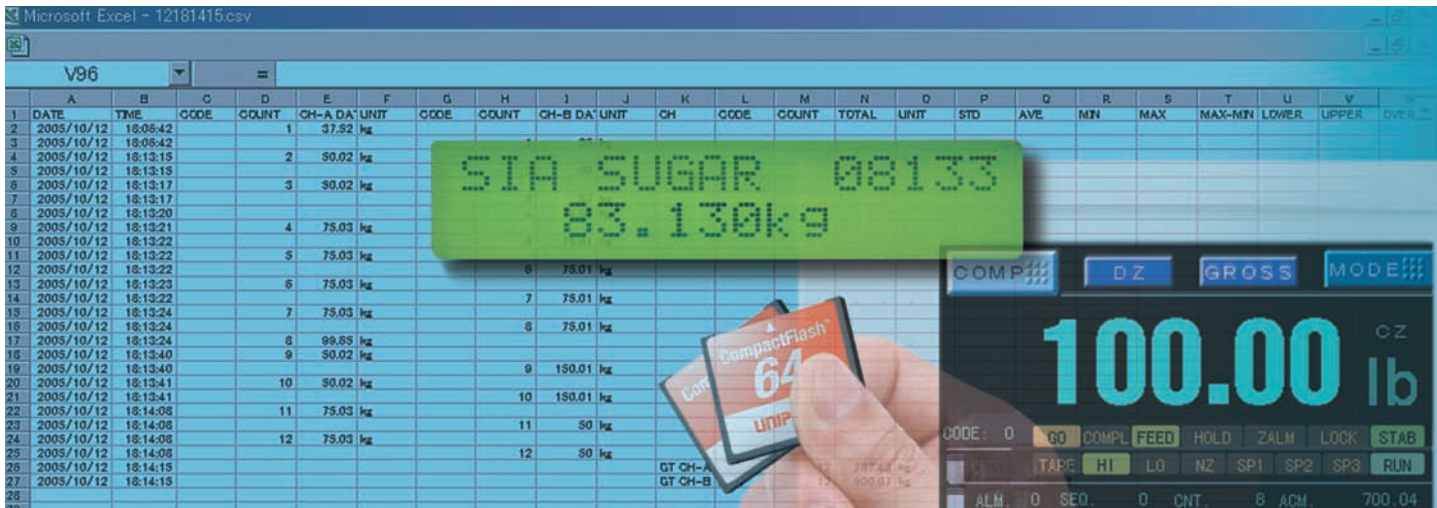




DS252 is a paperless printer that can be easily connected to Unipulse Load Cell Indicators and Digital Indicators via SI/F* interface. Record CSV-formatted data in CF Card! Easy data analysis on your PC.

* SI/F: the standard serial interface built in Unipulse indicators, which allows connection up to 3 external peripherals.



Mass Recording in CF Card

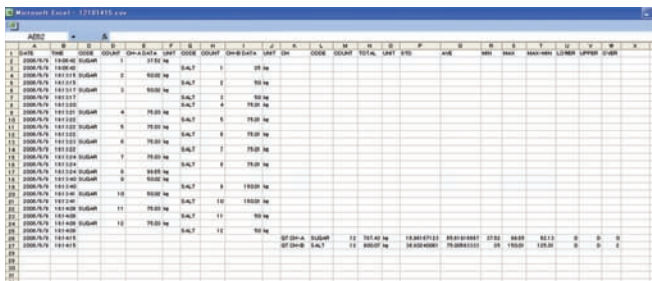
Weight/load data of indicator or DS252 statistical data can be mass-recorded in CF Card. The data equivalent to amount of data printable on 200 rolls* of rolled paper can be recorded in 64MB CF card. Even without a CF Card, The data equivalent to amount of data printable on 1 roll* or more rolled paper can be recorded in DS252 internal memory.



*In comparison with Unipulse printer M252 (which is able to print 8000 rows on 1 roll of rolled paper)

Data Recorded in CSV Format

Data can be recorded in the easy-to-handle CSV format and can be editable as it is using the Microsoft Excel or other applications.



Code-Table Function

DS252 has been pre-set with a 2-digit number to each of its code type. This function allows the code to be registered in the pre-set code by entering only the pre-set 2-digit number either using the front panel key or via an option. 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.

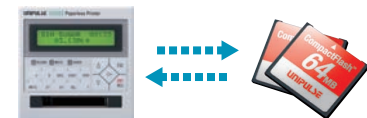
High-level Statistical Calculation Function

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

- As setting items are displayed on the LCD panel, setting can be easily done using the front panel key while viewing the display.
- DS252 codes can be saved in the CF Card. And reversely, codes saved in the CF card can be written in DS252 internal memory.

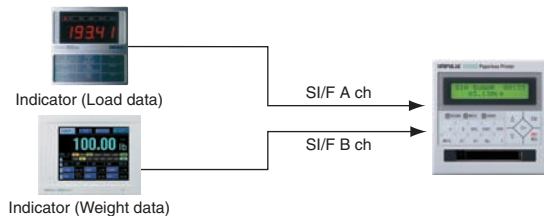
As this bothersome code registration process can also be done on PC, the operation is very convenient indeed.



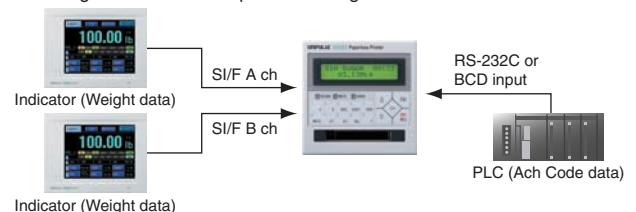
Optional Interfaces

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 1:
Recording data from 2 indicators



Application Example 2:
Recording code data of an option and weight data of an indicator



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.

LCD panel (16-digits, 2-rows)

Input value display

(Simultaneous display Ach & B ch data)



A ch Code name Input data
B ch Code name Input data
※Regarding input value display, 4 kinds of display modes are available.
Ach, Bch, Auto Switch mode and Ach & Bch mode

Display Setting Items

("Manual-less" operation available)



Setting Item No.: Setting Item Name
Selection No.: Name of Selection Item

Date / Time Display

(built-in calendar and clock function)



Year
Month/Day Hr: Min: Sec

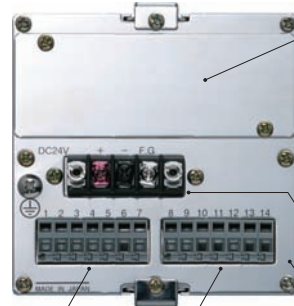
Front Panel



CF Card slot



Rear Panel



Optional Board

BCD Input
RS-232C



DC24V Input

DIN96 Size

In mini DIN size to enable mounting on panel. Easy-fixing on control panel

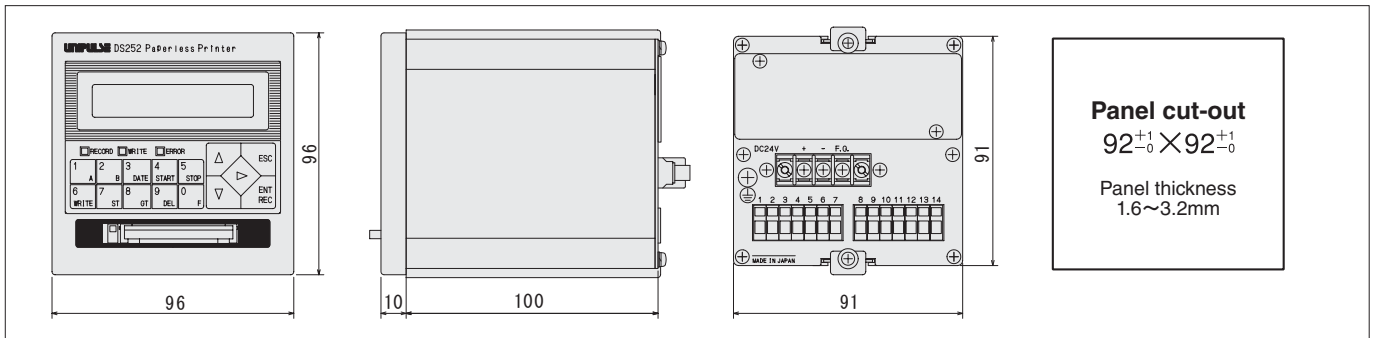
A ch, B ch Independent External Input
GT (Grand Total)
ST (Sub-total)
REC
WRITE
SI/F

DS252 SPECIFICATIONS

Card Slot	Card Specification	CF-Card (Type I or Type II)
	Power Supply	5V
	Available Capacity Card	Max. 512 MB (FAT16)
File Specification	File Format	CSV Format Text File
	File Name	ddhmmss.csv
	Create File Timing	During Grand Total (GT) operation or at random timing
Data Recording Method	• REC key input	• Rear panel input (REC terminal)
•	• Auto Recording command input (via SI/F, RS-232C)	• Automatic record by interval setting (1 to 9999 sec.)
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	• Set by maximum recording count for each codes
•	• Setting time	
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	
Functions	Grand Total/Sub-total recording, batch totaling, code sorting type, deletion recording, OVER recording, interval recording, both recording	
Setting	Setting Method	Front Panel Keys
Display	Main Display	16-characters x 2-rows LCD with backlight (with backlight ON/OFF function) Display set value and latest recorded details
	Subdisplay	LED x 3 (WRITE (Green): Writing-in progress into Card, RECORD (Green): Data recording in-progress, ERROR (Red): Error display
Internal Clock	Accuracy	± 1 minute Gain/loss per month (25°C)
External Input Signal	A ch (1) COM, (2) REC, (3) WRITE, (4) ST, (5) GT, (6) SI/F, (7) SI/F B ch (8) COM, (9) REC, (10) WRITE, (11) ST, (12) GT, (13) SI/F, (14) SI/F	
Interface	• SI/F Serial Interface - Serial Interface for connection of Unipulse Indicators to printers or external displays • BCD Input Interface (Option) • RS-232C Interface (Option)	
General Ratings	Power Source	DC 24 ± 15%
	Power Consumption	Max. 150 mA
	In-rush Current	10A (800 μ sec(Typ.))
	Operation Condition	Temperature: Operation Temperature Range: 0°C to +40°C; Storage Temperature Range: -20°C to +70°C; Humidity: 85% RH or less (non-condensing)
	External Dimension	96 (W) x 96 (H) x 110 (D) mm
	Weight	App. 0.8 kg

DS252 External Dimension

Unit:mm



※Compact Flash is a Trademark of SanDisk Corporation, United States of America. ※Microsoft Excel is a Trademark of Microsoft Corporation, United States of America.
※Please note that specifications or designs shown in this catalog may vary without prior notice due to our continuous product improvement activities.

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