

AD-8118C UNIVERSAL PRINTER



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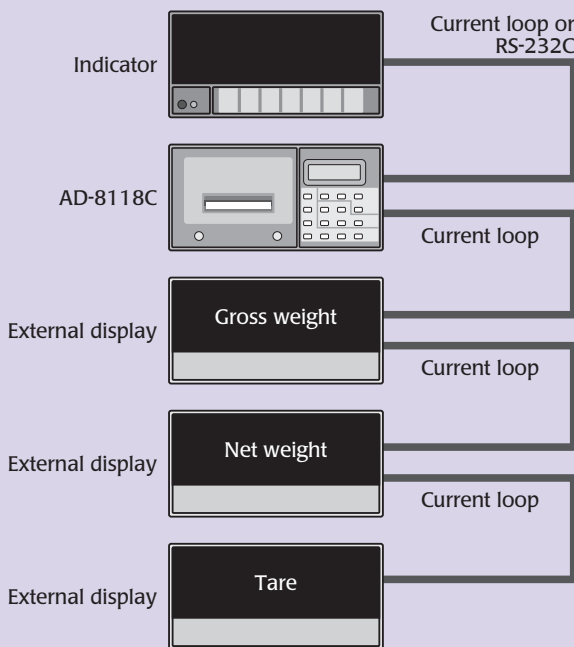
A&D Company, Limited
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AD-8118C UNIVERSAL PRINTER



- Date and time printing function (built-in calendar/clock)
- Cumulative memory function (Memory stored even if the power supply is switched off.)
- Internal battery provides calendar/clock and cumulative memory function back-up for approx. 10 years.
- Cumulative/statistical calculation functions by code/ input channel
- Print modes* : Random, Dump, Interval, and Batch
- Print format modification function using the operation keys (in the random print mode)
- Connectable to external displays (up to 3 devices) with a current loop output (channel 1 only)
- Up to 4 data output devices including indicators (AD-8118C-02 required) can be connected to a single AD-8118C printer.
- Receives input signal via a current loop (maximum length of approx. 100m) or RS-232C (maximum length of approx. 15m)

Connection with an indicator and external displays



*Print modes

Random print mode — Prints data when received.

Print format can be changed.

Dump print mode — Prints received data with ASCII Codes

Interval print mode — Prints with set time interval.

Print format can be changed.

Batch print mode — Stores received data in a data buffer (up to 80 lines per channel) to print each channel in a batch when [Batch mode command] is received from the control I/O. A total sum by channel can be printed as a lot print.

The AD-8118C is a universal printer designed for connection with indicators, scales and electronic balances.

It employs dot-matrix impact printing enabling better readability and longer print durability.

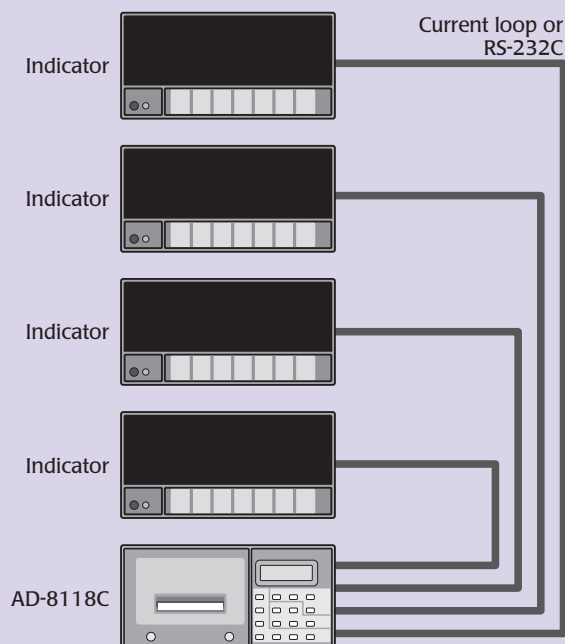
This printer can directly output current input received via a current loop (channel 1 only) and display gross weight, net weight and tare on respective displays by connecting it with 3 external displays.

By installing the AD-8118C-02 option, a 3-channel input expansion board, it is possible to receive data for up to 4 devices (indicators, etc.), including the main unit, as well as to separately print data for each channel.

By using the operation keys, the print format can be changed when the printer is in either Random or Interval print mode. The new AD-8118C-10 option, an automatic paper winder, makes it easier to keep printed paper neater.

The AD-8118C has the same external dimensions, connector and functions as the AD-8118A and the AD-8118B, so it can replace either by simply adjusting its function settings.

Connection with 4 indicators



*Option AD-8118C-02 (3-channel input expansion board) is required.

Random Mode Printout Example

```

1/ 8/2007 16:03
# 17 CD 2 N 17450kg

1/ 8/2007 16:03
# 18 CD 3 N 127.6kg

1/ 8/2007 16:03
# 19 CD 2 N 25900kg

1/ 8/2007 16:03
# 20 CD 3 N 136.7kg

1/ 8/2007 16:03
# 21 CD 2 N 22200kg

1/ 8/2007 16:03
# 22 CD 3 N 130.9kg

1/ 8/2007 16:04
# 23 CD 5 N 19600kg

1/ 8/2007 16:04
# 24 CD 7 N 127.8kg

SUB TOTAL
1/ 8/2007 16:04
CD 2 65550kg
CD 3 395.2kg
CD 5 19600kg
CD 7 127.8kg

<CH1>
4T 85150kg
MAX 25900kg
MIN 17450kg
x̄ 21280kg
σn-1 3636.9kg
R 8450kg

<CH2>
4T 523.0kg
MAX 136.7kg
MIN 127.6kg
x̄ 130.8kg
σn-1 4.24kg
R 9.1kg

<CH3>
<CH4>

8T 85673.0kg
MAX 25900.0kg
MIN 127.6kg
x̄ 10709.1kg
σn-1 11556.68kg
R 25772.4kg
    
```

Default printing format
It is possible to change the order of the items and to omit unnecessary items.

Sub total printing

Sub total for each code

Sub total for each channel
Channels 2 to 4 can be printed when the option is installed.

Printout statistics
Times, Sub total
Maximum
Minimum
Average
Standard deviation
Range

Batch Mode Printout Example

```

1/ 8/2007 16:42
No. 12345678 1T
<CH1>
CD 1 N 33600kg
CD11 N 37250kg
<CH2>
CD 2 N 46.0kg
<CH3>
CD 3 N 29.1kg
<CH4>
CD 4 N 39.7kg
-----
70964.8kg

1/ 8/2007 16:44
No. 12345678 2T
<CH1>
CD21 N 21700kg
<CH2>
CD22 N 71.9kg
<CH3>
CD33 N 98.7kg
<CH4>
CD44 N 43.3kg
-----
21913.9kg

LOT TOTAL
1/ 8/2007 16:44
No. 12345678 2T
<CH1>
CD 1 N 33600kg
CD11 N 37250kg
CD21 N 21700kg
<CH2>
CD 2 N 46.0kg
CD22 N 71.9kg
<CH3>
CD 3 N 29.1kg
CD33 N 98.7kg
<CH4>
CD 4 N 39.7kg
CD44 N 43.3kg
-----
92878.7kg

GRAND TOTAL
1/ 8/2007 16:04
CD 1 53050kg
CD 2 83634.0kg
CD 3 522.8kg
CD 5 19600kg
CD 7 127.8kg
CD11 1450kg
CD22 102.8kg
-----
<CH1>
12T 157100kg
MAX 25900kg
MIN 1450kg
x̄ 13092kg
σn-1 8225.4kg
R 24450kg
<CH2>
12T 1387.4kg
MAX 136.7kg
MIN 78.4kg
x̄ 115.6kg
σn-1 16.34kg
R 58.3kg
<CH3>
<CH4>
-----
24T 158487.4kg
MAX 25900.0kg
MIN 78.4kg
x̄ 6603.6kg
σn-1 8733.99kg
R 25821.6kg
    
```

Items printed when the Batch print command is received.

Batch number
The number increases with each batch sequence.

In a batch print, received data of up to 80 lines per channel can be stored in a data buffer, printed when the batch print command is received, and deleted from the buffer after printing.

Prints lot total.

This will be printed when a lot command is received. This lot print example shows that two batches were printed in a lot.

In a lot print, collected data of up to 80 lines is stored in a printing buffer, printed when a lot print command is received, and then deleted from the buffer after printing.

Grand total printout example

Grand total print can be used in either the Random or Batch print mode.

The grand total and the sub total printouts use the same print format, but function settings for each can be set independently.

The grand total can be printed in a different format to the sub total by changing the function settings.

By using the sub total print and the grand total print functions, daily/monthly reports can be created.

* This example shows the grand total print in the random print mode.

■ AD-8118C specifications

◆ Printer specifications

Print type	Dot matrix impact printer
Number of characters	Standard: 24 characters × 1 line (5 × 7 dot) Enlarged: 12 characters × 1 line (10 × 7 dot)
Character size	Standard: 1.7(W) × 2.6(H)mm Enlarged: 3.4(W) × 2.6(H)mm
Printing speed	Approx. 1.7 lines/second (Internal processing time excluded)
Reliability	1,000,000 lines
Print color	Black
Ink ribbon life	Approx. 200,000 characters (Depending on surrounding environment)
Printer paper	AX-PP137-S (10 rolls), 57.5(W) × ø60mm, Approx. 8,000 lines/roll
Data communication	RS-232C/Current loop, switching with a slide switch
Control I/O	Input: Print/Feed paper/Batch print/Lot print, etc. Output: Busy/Printing, Open collector

◆ General specifications

Power	100V to 240V ^{+10%} / _{-15%} AC (85V to 264V AC), 50/60Hz
Weight	Approx. 2.0kg (Shipping weight: approx. 3.5kg)
Operating temp. & humidity range	0°C~40°C, 80% RH or less (No condensation)
External dimensions	192(W) × 185(D) × 96(H)mm
Panel cut dimensions	186 ^{+1.0} / _{-0.0} × 92 ^{+0.8} / _{-0.0} mm
LCD display	16 characters × 2 lines (Character: 2.15mm width × 4.35 mm height)
Power consumption	When AD-8118C-02 is installed: approx. 17VA When AD-8118C-02 and AD-8118C-10 are installed: approx. 20VA

■ Options

● AD-8118C-02

3-channel input expansion board

Data input of 4 channels including the main unit is possible.

Input/Output — RS-232C/Current loop

(Channels 2~4. Can be switched via connector connection.)

Control I/O — Open collector

Weight — Approx. 0.4kg (Shipping weight: approx. 0.5kg)



AD-8118C-02

● AD-8118C-10

Automatic paper winder

Power supply — From AD-8118C via standard control cable, 1K03228 (approx. 30cm)

Operating temperature and humidity range — Same as AD-8118C

External dimensions — 192(W) × 185(D) × 120(H)mm

Panel cut dimensions — 183^{+0.0}/_{-0.0} × 115^{+0.8}/_{-0.0}mm

Weight — Approx. 2.2kg (Shipping weight: approx. 3.8kg)



AD-8118C-10

◆ Consumable supplies

Ink ribbon — AX-ERC-09-S (5 pcs.)

Printer paper — AX-PP137-S (10 rolls)

Appearance and/or specifications subject to change for improvement without notice.

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