

# AD-8920

**Digital Display Unit**

*Remote Display for  
A&D Electronic Balances*



- Connects to either the RS-232C or the Current loop Interface.
- Bright VFD provides an easy-to-read remote display.
- For use with EK-G, EK-H, EW-G, FG, FP, FS, FX, GR, GX, GF, HA-M, HA-A, HF, HM, HP, HR, HV-G, HW-G and HX series.
- Small body but big display.
- Recognizes the baud rate automatically.



**AND**  
A&D Company, Limited  
[www.aandd.co.jp](http://www.aandd.co.jp)

*... Clearly a Better Value*

# AD-8920 Digital Display Unit

## Specifications

Power consumption — Approximately 5VA supplied to the AC adapter (Approximately 8VDC, Approximately 0.2ADC supplied to the AD-8920)

Display — 7-digit VFD, Character height 13mm

Signal — RS-232C / Current loop (ACTIVE)

Baud rate — 600bps / 2400bps

Length, Parity bit — 7bits-even, 7bits-odd, 8bits-none

Stop bits — 1bit or 2bits

Terminator — <CR> or <CR> <LF>

Display refresh rate — Approximately 10times/second (when baud rate is 2400pbs) \*1

Input connector — Modular jack

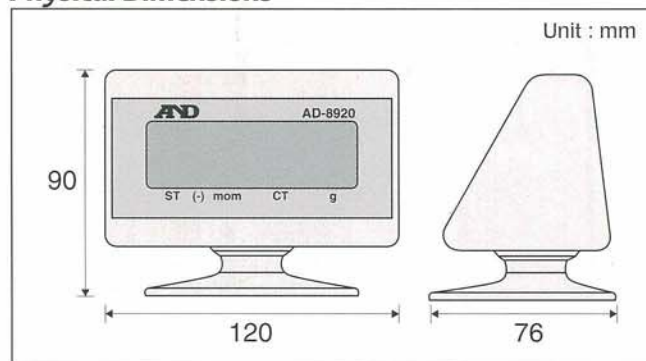
Dimensions — 120(W) × 90(H) × 76(D) mm

Net weight — Approximately 220g \*2

\*1 With the condition that the weighing instrument transmits data 10 times per second.

\*2 AC adapter and communication cable are not included.

## Physical Dimensions



## Options

OP-01 — DIN conversion cable (Approximately 25cm)

## Setting the weighing instrument

Item	Setting	Description
Data output mode	Stream mode	Outputs the weighing data continuously.
Baud rate	2400bps or 600bps	AD-8920 recognizes the baud rate automatically.
Length, Parity bit	7bits-even, 7bits-odd, or 8bits-none	AD-8920 functions correctly with any one of those listed.
Stop bits	1bit or 2bits	AD-8920 functions correctly with either one.
Terminator	<CR> or <CR> <LF>	AD-8920 functions correctly with either one.
Data format	A&D standard format	
CTS control	No control of CTS, RTS	
Output (hardware)	RS-232C or current loop	AD-8920 recognizes the output mode automatically.

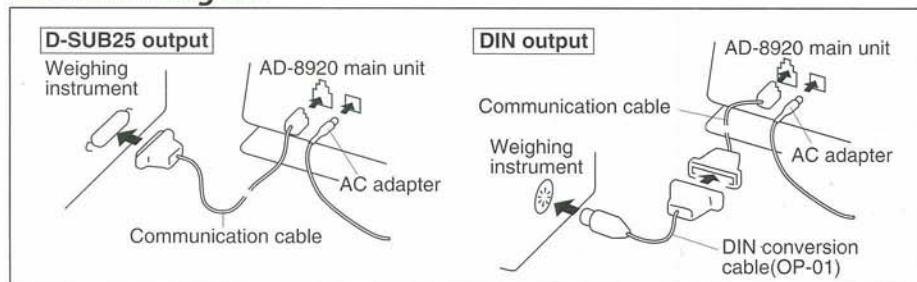
Note) The available items depend on the weighing instrument. (An item is not available when the setting is fixed.)

For a detailed description of the settings, refer to the instruction manual of each weighing instrument.

## Connecting the AD-8920

Confirm that the AC adapter is of the correct type. Refer to the connection diagram shown below to connect the AD-8920 to the weighing instrument. Use the OP-01 DIN conversion cable when the output connector on the weighing instrument is of the DIN type.

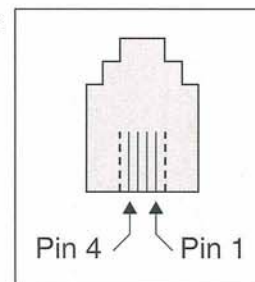
### Connection Diagram



### Pin assignment

Pin No.	RS-232C	Current loop
2	RXD (Connects to the TXD output of the weighing instrument)	Current loop (+)
3	SG(Connects to SG)	Current loop (-)
1, 4	Used internally	

### Modular jack terminal No.



Specifications subject to change for improvement without notice.

# AND

...Clearly a Better Value

**A&D Company, Limited**

3-23-14 Higashi-Ikebukuro, Toshima-ku, Tokyo 170-0013 JAPAN  
Telephone: [81] (3) 5391-6132 Fax: [81] (3) 5391-6148  
<http://www.aandd.co.jp>

**A&D ENGINEERING, INC.**

1555, McCandless Drive, Milpitas, CA. 95035 U.S.A.  
Telephone: [1] (408) 263-5333 Fax: [1] (408) 263-0119

**A&D MERCURY PTY. LTD.**

32 Dew Street, Thebarton, South Australia 5031 AUSTRALIA  
Telephone: [61] (8) 8352-3033 Fax: [61] (8) 8352-7409

**A&D INSTRUMENTS LTD.**

Abingdon Science Park, Abingdon, Oxford OX14 3YS United Kingdom  
Telephone: [44] (1235) 550420 Fax: [44] (1235) 550485

**<German Sales Office>**

Berner Straße 64, D-60437 Frankfurt/Main GERMANY  
Telephone: [49] (69) 507 1017 Fax: [49] (69) 507-2054

**A&D KOREA Limited**

Manhattan Bldg. 8F, 36-2 Yoido-dong, Youngdeungpo-gu, Seoul, KOREA  
Telephone: [82] (2) 780-4101 Fax: [82] (2) 782-4280

\* ADC-AD8920-000905-01K01