442B-K01

Instrumentation Printer

● For WGA-650B/670B/710B/800C
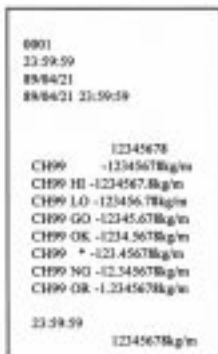
24 Digits /Line Calendar Clock Incorporated

This instrumentation printer is designed for instrumentation amplifiers WGA-650B/670B/710B/800C. With the thermal serial dot matrix system, it prints out parallel BCD data, 24 characters per line. Besides 14 kinds of messages, the built-in calendar clock enables printout of the date, time and elapsed time as well as interval print in a range of 5 seconds to 99 hours 59 minute 59 seconds. (Note that the printer is different from Tsuruga Micro Printer 442B.)

Specifications

	442B-K01
Printing system	Thermal line dot
Printing speed	Approx. 22.5 mm/s, 6 lines/s
Characters per line	24
Calendar clock	6-digit red LED, hour:minute:second
Kinds of characters	Alphanumerics, symbols, etc.
Character size	2 mm x 2 mm
Character structure	16 x 16 dots
Print width	46 mm
Paper feed	Pitch 3.75 mm
Print paper	58 mm (W) x 48.25 m (L); thermal paper 5860-01, sales unit 10 rolls/pack
Date/time print	Year/month/day hour:minute:second
Channel No. print	CH00 to CH99
Printing direction	Lister or Texter, selectable
Interval print	5 seconds to 99 hours 59 minutes 59 seconds External command or automatic print
Message	14 kinds (OVER, HIGH, LOW, GOOD, NG, etc. with BCD input)
Units	Approx. 250 units
Input connector	IDEC, JM1S-0603
Power supply	90 to 250 VAC, 50/60 Hz 24 VDC ±10%
Operating temp. range	0 to 50°C, 85% RH or less (noncondensing)
Storage temp. range	–20 to 60°C
Dimensions & weight	96(W) x 96(H) x 165.5(D) mm (excluding protrusions), approx. 700 g
Accessories	Input cable with connector, 1 paper roll

Features

- Printout of index number and channel number in 4 digits
- Lister print or Texter print selectable
- Approx. 250 kinds of units by inputting 8-bit codes
- 90 to 250 VAC or 24 VDC selectable for power supply
- Calendar clock provided

Block Diagram
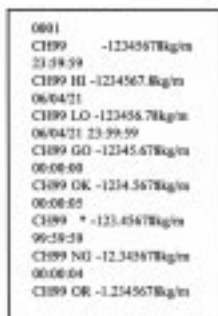
Instrumentation amplifier WGA-710B-1

Load cell — Junction box

Pressure transducer

Parallel BCD input

Printout Samples

- Interval operation OFF

```
0001
23:59:59
89/04/21
89/04/21 23:59:59

          12345678
CH99   -1234567.8kg/m
CH99 HI -1234567.8kg/m
CH99 LO -123456.78kg/m
CH99 GO -12345.678kg/m
CH99 OK -1234.5678kg/m
CH99  * -123.45678kg/m
CH99 NG -12.345678kg/m
CH99 OR -1.2345678kg/m

23:59:59
          12345678kg/m
```

↑ Paper feed direction
• TIME signal input
  Index No.
  Time
  Date
  Date/time
• PRINT signal input
  Channel No. OFF
  No decimal point is put.
  1 digit is put after decimal point.
  2 digits are put after decimal point.
  3 digits are put after decimal point.
  4 digits are put after decimal point.
  5 digits are put after decimal point.
  6 digits are put after decimal point.
  7 digits are put after decimal point.
• Simultaneous input of TIME and PRINT signals
  Note: If TIME and PRINT signals are simultaneously input, TIME signal is given priority over PRINT signal.

- Interval operation ON

```
0001
CH99   -1234567.8kg/m
23:59:59
CH99 HI -1234567.8kg/m
06/04/21
CH99 LO -123456.78kg/m
06/04/21 23:59:59
CH99 GO -12345.678kg/m
00:00:00
CH99 OK -1234.5678kg/m
00:00:02
CH99  * -123.45678kg/m
99:59:59
CH99 NG -12.345678kg/m
00:00:04
CH99 OR -1.2345678kg/m
```

Index No.
No decimal point is put.
Time
1 digit is put after decimal point
Date
2 digits are put after decimal point.
Date/time
3 digits are put after decimal point.
Elapsed time
4 digits are put after decimal point.
Elapsed time
5 digits are put after decimal point.
Elapsed time
6 digits are put after decimal point.
Elapsed time
7 digits are put after decimal point.

INSTRUMENTATION AMPLIFIERS