

SPECIFICATION

DATE: 11. Mar. 1983.

NAME OF ARTICLE

U.S.D.A. TEMP. REPORT

TO

MAYEKAWA MFG. CO., LTD.

KURUSHIMA DOCKYARD CO., LTD.

S.No. 2278

Investigation
Charge

ORDER NUMBER

C4003

YOKOGAWA SPECIFICATION NUMBER

B2L 2033

TIME OF DELIVERY

6. Jan. 1983

YOKOGAWA ELECTRIC WORKS. LTD.

TOKYO JAPAN

INSTRUMENTS LIST

No.	DESCRIPTION	MODEL	SERIAL No.	Q'ty
1.	REF. CARGO HOLD TEMP. RECORDING SYSTEM FOR U.S.D.A. REPORT	4088-12/Z	4088AB009-010	2
2.	SPARE PARTS			
	(1) CHART	B9538RN	4099AA000	24
	(2) CASSETTE RIBBON	B9538JZ	4099AA000	9

REV.	DATE	DR. BY	CH. BY	APP. BY	C H A N G E

1. SPECIFICATIONS

1.1 ARRANGEMENT OF REFRIGERATED CARGO HOLD

- (1) Number of Cargo Hold :
 - (2) Capacity of Cargo Hold :
 - (3) Location of Air Cooler :
 - (4) Location of Cargo Hold :
- } As per arrangement
Drawing attached.

1.2 SPECIFICATION OF INSTRUMENTS

1.2.1 Composition of Temperature Recorder

- (1) Method of Temperature Record :
YOKOGAWA HYBRID RECORDER MODEL 4088 Type
- (2) Temperature Sensor :
Platinum RTD. (100 Ω at 0°C)
- (3) Composition of Temperature Recorder Kind and
Number of Sensor :
As per arrangement Drawing attached.

1.2.2 SPECIFICATION OF HYBRID RECORDER

- (1) Manufacture : YOKOGAWA ELECTRIC WORKS.LTD. (JAPAN)
- (2) Model : 4088-12/Z (/ Z : for USDA Use)
- (3) Range : -30~0~20°C
- (4) Chart Width : 250 mm calibrated
- (5) Chart : Fold chart type
- (6) Chart Speed : Set at 25mm/hr.
- (7) Chart Length : 1 pc. for one month operation with 25mm/hr.
chart speed.
- (8) Chart Printing
Method : Wire-dot printer

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(9) Method of Recording Letters

(a) Letters : A1 . A2 . A3 , F1 . F2 . F3 ,

As per arrangement Drawing attached.

(b) Color of Method : Purple and Black

(c) Printing Arrange : Provides 2 sets of HYBRID RECORDER
for No.1 ~No. cargo hold.

00 Printing Interval : 8 seconds per 30 points.

00 Accuracy : Less than ± 0.15 deg °C in the range of
-30 ~ 0 ~ 20 °C

02 Sensor : Platinum RTD . (100 Ω at 0 °C)

1.2.3 SPECIFICATION OF SENSOR

(1) Fixed Type : Equivalent to information attached.

(2) Non-fixed Type : Equivalent to information attached.

(3) Mounting Position : Refer to hold arrangement Drawing.

REV.	DATE	DR. BY	CH. BY	APP. BY	C H A N G E

8
7
6
5
4
3
2
1

NO KOKUSA CHART

11:00
10:00
09:00
08:00
07:00
06:00
05:00

100
90
80
70
60
50
40
30
20
10

R1
R2
R3
R4
R5
R6
R7
R8
R9
R10
R11
R12
R13
R14
R15
R16
R17
R18
R19
R20
R21
R22
R23
R24
R25
R26
R27
R28
R29
R30

Symbol (sensor number)

Date and Time of Digital Printed. 01/01 05:00

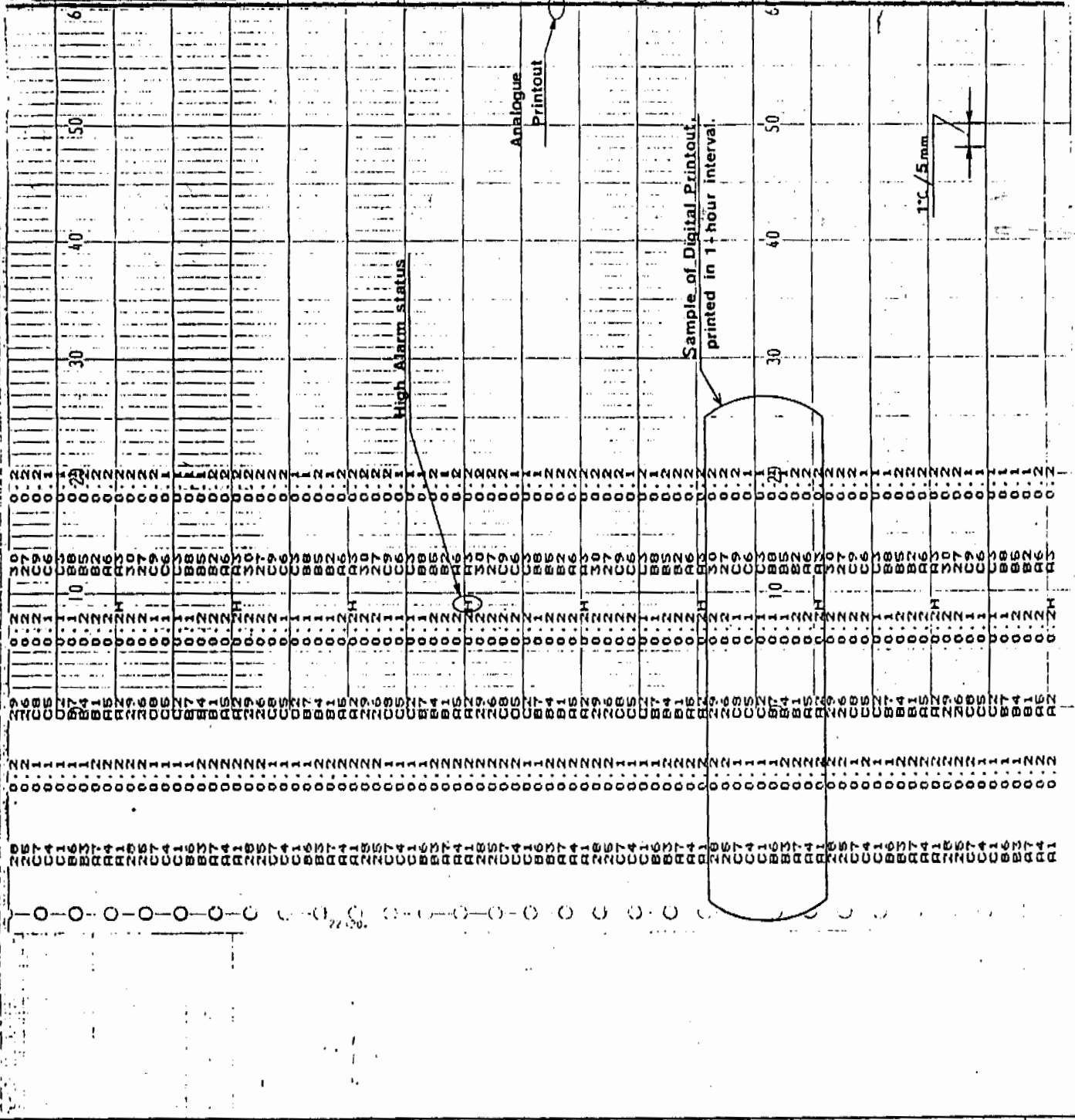
25 mm/h

1C/5mm

High Alarm status

Analogue Printout

Sample of Digital Printout, printed in 1-hour interval.



250 mm / -30~0~20 °C

PRINT OUT FORMAT

DR