

## Microjet Recorder

# 24 Channel Recorder (180mm width) Model:PHB

24 points recording  
in 6 colors with ink  
jet.

Easy replacement  
of the ink cartridge  
by plug-in.

Front panel size :  
DIN 288mm x 288mm

Permits precision  
reading, thanks to  
recording on the  
same time axis.

Provides measured value analog  
recording function and abundant  
digital printing functions as  
standard accessory  
(daily report/totalization, logging, alarm,  
every-hour printing, message printing, etc.).



Ink run-out alarm  
Paper run-out  
indication  
Alarm output (option)

# Chart Example



## Specification Summary

Model	PHB	
Chart width/length	180mm/20m	
No. of input channel	24 points	
Recording color	orange, green, purple, red, black, blue	
Input Signal type	TC (J, K, E, R, B, S, T, L, U, V, W, PN, N), RTD, DC V ( $\pm 50\text{mV}$ , $\pm 500\text{mV}$ , $\pm 5\text{V}$ , $\pm 50\text{V DC}$ ), DC mA	
Measuring cycle	320ms	
Burnout function	When TC or RTD input is disconnected, it is deflected 100%.	
Display	Fluorescent (20 characters x 2 lines)	
Chart speed	5~1500mm/h	
Recording cycle	30sec	
Display Accuracy	$\pm 0.15\%$ of measuring range, $\pm 1$ digit without cold junction compensation error	
Calculation	Square root extraction, Subtraction, Scaling, Input filter, Logarithm	
Digital print	Daily report, Totalize list, Parameter list, Test pattern, Measured value list, Logging print, Message print	
Alarm	H, L, RH, RL for each input, Burnout, Ink-out, Chart end, Battery alarm	
Option	Alarm output	6/12 Relay output
	Remote control (DI)	Record start/stop, Chart speed change, Measured value print, Message print
	Chart Illumination	Cold cathode fluorescent
Power supply	AC100 to 240V 50/60Hz 35VA (without option) (Usable Range AC85-300V)	
Environmental	Temperature: 0 to 50°C Humidity: 20 to 80%RH (Temp. x Humi. < 3200)	
Mass. Approx.	9.6kg (without options)	

### ■ Spare parts

Item	Parts No.	Unit of quantity for sales
Ink cartridge	PHZH1002	1 pce.
Chart paper (0 to 100, 100 uniform division)	PEX00BL1-1000B	1 box (6 chart)

### ■ Other (optional items)

Item	Type	Specification
Shunt resistor	PHZT8101	$10\Omega \pm 0.1\%$

## Code Symbols

Digit	Description	PHB	4	5	6	7	8	9	10	11	12	13
4	< Recording points >	1	B	0	0	1	-	E				
5	< 24 intermittent recording >	1	B									
6	—			0								
7	—				0							
8	—					1						
9	—							E				
10	< Chart paper illumination > without								A			
	with								B			
11	< Alarm output/external control > without									0		
	6-point alarm output/3-point external control									1		
	12-point alarm output/3-point external control									2		
12	—										Y	
13	—											V

Remarks: Input signal  
Setting prior to delivery is as follows.  
• Thermocouple K: 0 to 1200°C

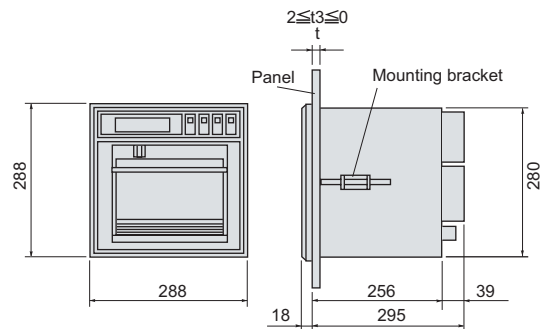
Note: Contact Fuji Electric for additional features not listed such as Flow integration record and Calculation of input signals.

### SCOPE OF DELIVERY

Recorder, panel mounting bracket, accessories (ink cartridge (1), fuse (1), chart paper (1), input signal setting pin for replacement (1), ink absorption cloth (1)), Instruction manual (1).

Note: Ink cartridge is not mounted on the recorder at the time of delivery.

## Outline diagrams



(Unit : mm)

# Fuji Electric

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