



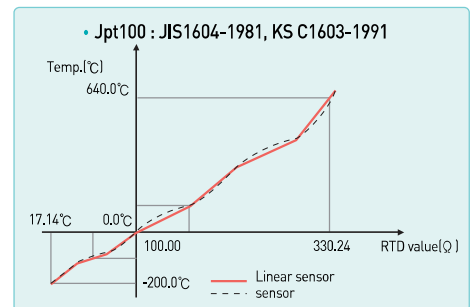
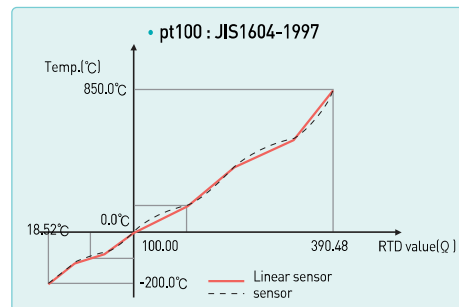
## Features

- Supports various additional functions (average, alarm, filter)
- Special module parameter setting and monitoring with XG5000
- Supports digital conversion, temperature display and user scaling
- Support Offset/Gain function(only RD8A)

## Specifications

Item		XGF-RD4A	XGF-RD4S	XGF-RD8A
No. of input channel		4 channels	4 channels	8 channels
Input sensor type	Pt100	JIS C1604-1997	JIS C1604-1997	JIS C1604-1997
	JPt100	JIS C1604-1981, KS C1603-1991	JIS C1604-1981, KS C1603-1991	JIS C1604-1981, KS C1603-1991
	PT1000	-	JIS C1604-1997	-
	NI100	-	DIN 43760-1987	-
Temperature input range	Pt100	-200.0 ~ 850.0°C	-200.0 ~ 850.0°C	-200.0 ~ 850.0°C
	JPt100	-200.0 ~ 640.0°C	-200.0 ~ 640.0°C	-200.0 ~ 640.0°C
	PT1000	-	-200.0 ~ 850.0°C	-
	NI100	-	-60.0 ~ 180.0°C	-
Digital output	Temperature display (unit: 0.1)	Pt100	-2,000 ~ 8,500	-2,000 ~ 8,500
		JPt100	-2,000 ~ 6,400	-2,000 ~ 6,400
		PT1000	-	-2,000 ~ 8,500
		NI100	-	-2,000 ~ 1,800
	Scaling display (Customize)	0 ~ 65535 -32768 ~ 32767		
Accuracy	Normal temp.(25°C)	±0.2%	±0.1%	±0.2%
	Full temp.(0~55°C)	±0.3%	±70ppm/°C	±0.3%
Conversion speed		40ms / channel		
Insulation	Channel to Channel	Non-insulation	Insulation	Non-insulation
	Terminal to PLC Power	Photo-coupler		
Wiring method		3-wire	4-wire	3-wire
Function	Average	Time average (320~64000ms)		
		Counting average(2~64000 count)		
		Moving average(2~100 samples)		
	Alarm	Process alarm		
		Input changing rate alarm		
		Disconnection detection		
Offset / Gain	-			
Filtering	Digital filter (160~64000ms)			
Terminal block		18-point terminal block		
Current consumption		5V: 450mA	5V: 720mA	5V: 450mA
Weight [g]		150g		

## Characteristics of temperature conversion



## Wiring

• Connection with 2-Wire type sensor

• Connection with 3-Wire type sensor

• Connection with 4-Wire type sensor

1) When sensor and compensating wire are shielded, shield-connection to FG terminal of the module is available.  
 2) The wiring of 4-wire type sensor is identical with the wiring of 3-wire type sensor. 3 wires is connected to the module. But the other wire is not connected with the module.