

UNIVERSAL TYPE DIGITAL PANEL METER

A6000 SERIES



Display multi type (A6X1X-XX)



Display single type (A6X2X-XX)

ASAHI KEIKI CO., LTD.

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Input Specifications

■ DC voltage, current

• A6XX1-XX

Range	Measurement Range	Display	Input Protection	Accuracy (23°C ± 5°C, 35 ~ 85% RH)
11	±99.99 mV	offset ±9999 full scale ±9999	±50 V	±(0.03% of rdg + 1digit)
12	±999.9 mV		±50 V	
13	±9.999 V		±250 V	
14	±99.99 V		±250 V	
15	±700 V		±700 V	

• A6XX2-XX

Range	Measurement Range	Display	Input Protection	Accuracy (23°C ± 5°C, 35 ~ 85% RH)
21	±99.99 uA	offset ±9999 full scale ±9999	±10 mA	±(0.1% of rdg + 2 digit)
22	±999.9 uA		±10 mA	
23	±9.999 mA		±50 mA	
24	±99.99 mA		±500 mA	

• A6XX3-XX

Range	Measurement Range	Display	Input Protection	Accuracy (23°C ± 5°C, 35 ~ 85% RH)
25	±999.9 mA	offset ± 9999	±3 A	±(0.1% of rdg + 2 digit)
26	±2.000 A	full scale ±9999		

■ AC voltage, current (TRUE-RMS)

• A6XX4-XX

Range	Measurement Range	Display	Input Protection	Accuracy (23°C ± 5°C, 35 ~ 85% RH)
11	99.99 mV	offset ±9999 full scale ±9999	50 V	±(0.2% of rdg + 20 digit)
12	999.9 mV		50 V	
13	9.999 V		250 V	
14	99.99 V		250 V	
15	700.0 V		700 V	

Minimum display 50 digits

• A6XX5-XX

Range	Measurement Range	Display	Input Protection	Accuracy (23°C ± 5°C, 35 ~ 85% RH)
21	99.99 uA	offset ±9999 full scale ±9999	10 mA	±(0.5% of rdg + 20 digit)
22	999.9 uA		10 mA	
23	9.999 mA		50 mA	
24	99.99 mA		500 mA	

Minimum display 50 digits

• A6XX6-XX

Range	Measurement Range	Display	Input Protection	Accuracy (23°C ± 5°C, 35 ~ 85% RH)
25	999.9 mA	offset ±9999	3 A	±(0.7% of rdg + 20 digit)
26	5 A	full scale ±9999	8 A	

Minimum display 50 digits

■ Resistance

• A6XX7-XX

Range	Measurement Range	Display	Current	Accuracy (23°C ± 5°C, 35 ~ 85% RH)
11	99.99 Ω	offset ±9999 full scale ±9999	5 mA	±(0.1% of rdg + 4digit)
12	999.9 Ω		0.5 mA	
13	9.999 KΩ		50 uA	
14	99.99 kΩ		5 uA	

Measurement method: Two or Four wire (internal socket changeable)

■ Thermocouple • RTD

• A6XX8-XX

Range	Sensor type	Measurement Range	Maximum Resolution	Accuracy (23°C ± 5°C, 35 ~ 85% RH)
KA	K	-50.0 to 199.9°C	0.1°C	±(0.5% of FS)
KB	K	-50 to 1200°C	1°C	±(0.2% of FS)
J	J	-50 to 1000°C	1°C	±(0.2% of FS)
T	T	-50 to 400°C	1°C	±(0.6% of FS)
S	S	0 to 1700°C	1°C	±(0.4% of FS)
R	R	-10 to 1700°C	1°C	±(0.4% of FS)
B	B	100 to 1800°C	1°C	±(0.4% of FS)
PA	PT100 Ω	-100.0 to 199.9°C	0.1°C	±(0.15% of FS)
PB	PT100 Ω	-100 to 600°C	1°C	±(0.3% of FS)

available Fahrenheit display

Cold junction compensator accuracy : ±2°C (10 to 40°C)

Sensor lead resistance : less than 50 Ω

Linearizing method : Digital linearizing

Burn out alarm : - - - -

Conversion time : 2.5/sec

■ Frequency

• A6XX9-XX

Range	Measurement Range	Accuracy (23°C ± 5, 35 ~ 85% RH)
11	0.1 to 999.9 Hz	±(0.2% of FS)
12	1 to 9.999 kHz	
13	10 to 99.99 kHz	

• A6XX9-XX

Input type	Input voltage level	Input Protection
Open collector	L: less than 1.5 V (5V, pullup)	30 V
Logic	L: less than 1 V, HI: 2.5 to 15 V	15 V
Magnet	0.3 to 30 V P-P	30 V
Voltage	30 V rms to 500 V rms	500 V

Prescale : 0.01 ~ 10.00

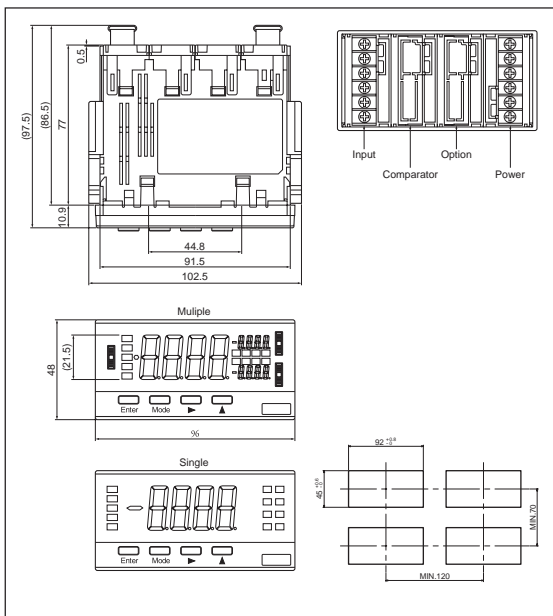
PPR : 1~100

Power supply for sensor : 12 VDC ±10%

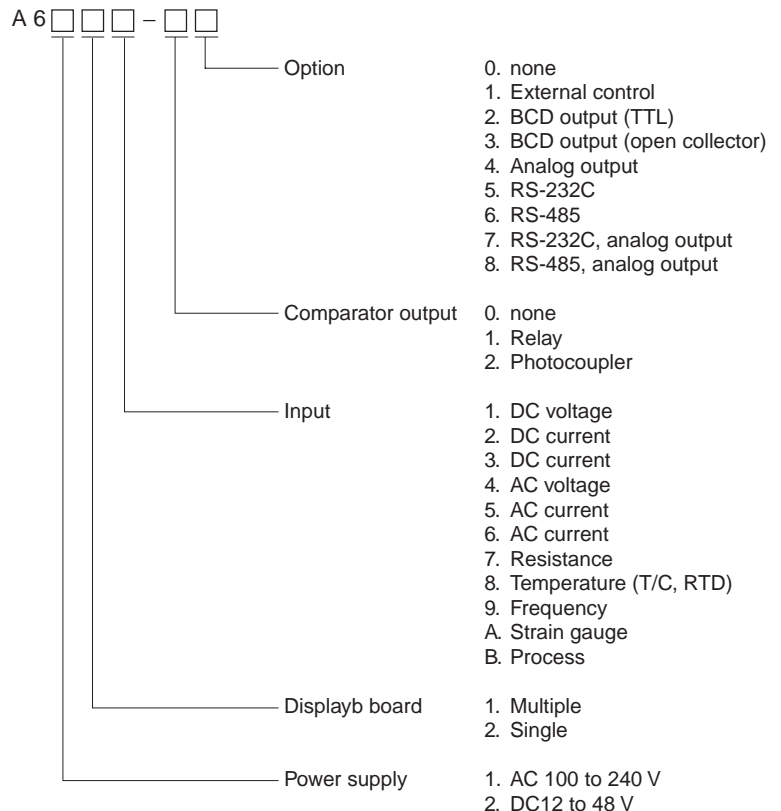
Common Specification

Display	: Main display Red or Green LED 20 mm Sub display Red LED 6 mm	
Conversion rate	: 1000 times/sec.	
Maximum display	: 9999	
Overrange indication	: When input exceed the maximum display display OVER or -OVER	
Zero display	: Leading zero suppression	
Decimal point	: Settable to any digit position	
Operating temp.	: 0 to 50°C 35 to 85% RH	
Storage temp.	: -10 to 70°C less than 60% RH	
Power supply	: AC 100 to 240 V ±10% DC 12 to 48 V ±10%	
Power consumption	: 8 VA (max. load)	
Dimensions	: 96 mm (W) X 48 mm (H) X 97.5 mm (D) DIN size	
Weight	: approx. 450 g	
Dielectric strength (AC)	: Power supply/input terminal/output terminal	AC1500 V/min.
	(DC): Power supply/input terminal/output terminal	DC500 V/min.
	(Common): Case/each terminal	AC1500 V/min.
Insulation resistance	: DC500 V more than 100 MΩ at the above terminals	

Dimensions



Ordering Code



We reserve the right to change specifications without notice.



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