

Yokogawa AC Switchboard Meters

Single, dual, and triple displays

- Field Configurable
- Measures True RMS Current and Voltage
- Accuracy: $\pm 0.2\%$ of Rdg. $\pm 0.1\%$ FS
- Displays MIN/MAX Values
- Scaling to 1250:1 for Potential Transformers, 5000:1 for Current Transformers
- Available for Single- and Three-Phase Systems
- High-Resolution, High-Intensity LED Display
- Fits Standard Panel Cutouts
- Non-Volatile Memory Stores All Setup Parameters
- Options Include RS-485 Communications, Analog Outputs, DC Auxiliary Power Supply

AC WATT/VAR SINGLE FUNCTION

To Order—Insert Number Code for Each Letter to Select Catalog Number.

Order Example: 2491-53-11-5-AHF-0

A	B	C	D	E	F
A	2491	Single Function			
B	Function Connection				
	51	Watt 1P2W			
	52	Watt 1P3W			
	53	Watt 3P3W			
	54	Watt 3P4W (2½ Element)			
	55	Watt 3P4W (3 Element)			
	61	Vars 1P2W			
	62	Vars 1P3W			
	63	Vars 3P3W			
	64	Vars 3P4W (2½ Element)			
	65	Vars 3P4W (3 Element)			
	71	Power Factor 1P2W			
	72	Power Factor 1P3W			
	73	Power Factor 3P3W			
	74	Power Factor 3P4W (2½ Element)			
	75	Power Factor 3P4W (3 Element)			
	91	Phase Angle 1P2W			
	92	Phase Angle 1P3W			
	93	Phase Angle 3P3W			
	94	Phase Angle 3P4W (2½ Element)			
	95	Phase Angle 3P4W (3 Element)			
C	AC Input Rating				
	11	120 Volt/1 Amp			
	15	120 Volt/5 Amp			
	21	240 Volt/1 Amp			
	25	240 Volt/5 Amp			
	33	Special (Describe)			
D	Frequency				
	5	50/60 Hz			
	6	400 Hz			
	8	Special Calibration			
E	Analog Output				
	AAA	None			
	AFA	0 to 1 mA			
	AFB	0 to ± 1 mA			
	AHD	4 to 20 mA			
	AHF	12 ± 8 mA			
F	Communication				
	0	None			
	1	RS-485			



2493 ▲



▲ 2491



2492 ▶

AC AMP/VOLT/FREQUENCY SINGLE FUNCTION

To Order—Insert Number Code for Each Letter to Select Catalog Number.

Order Example: 2491-21-1-AHD-0

A	B	C	D	E
A	2491	Single Function		
B	Input Range			
	11	1 Amp AC		
	15	5 Amp AC		
	21	150 Volts AC		
	25	300 Volts AC		
	81	Frequency (150V)		
	83	Frequency (300V)		
C	Frequency			
	1	50/60 Hz		
	2	400 Hz		
	3	Special Calibration		
D	Analog Output			
	AAA	None		
	AFA	0 to 1 mA		
	AFB	0 to ± 1 mA		
	AHD	4 to 20 mA		
	AHF	12 ± 8 mA		
E	Communication			
	0	None		
	1	RS-485		

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AC VOLT OR AMP

To Order—Insert Number Code for Each Letter to Select Catalog Number.
Order Example: 2493-03-1-AFA-0-1

A	B	C	D	E	F
A	2493	Triple Display			
B	Connections/Input Rating				
	01	3P3W 150 VAC			
	02	3P4W 150 VAC			
	03	3P3W 300 VAC			
	04	3P4W 300 VAC			
	05	3-Phase A, B, C 1 AAC			
	06	3-Phase A, B, C 5 AAC			
C	Frequency				
	1	50/60 Hz			
	2	400 Hz			
D	Analog Output				
	AAA	None			
	AFA	0 to 1 mA DC			
	AHD	4 to 20 mA DC			
E	Communication				
	0	None			
	1	RS-485			
F	Auxiliary Power				
	1	120 VAC			
	2	240 VAC			
	3	24 VDC			
	4	48 VDC			
	5	125 VDC			

AC VOLT/AMP/HERTZ

To Order—Insert Number Code for Each Letter to Select Catalog Number.
Order Example: 2493-08-1-1-AHD-0-1

A	B	C	D	E	F	G
A	2493	Triple Display				
B	Function/Connections					
	07	Volt/Amp/Hz 1P2W				
	08	Volt/Amp/Hz 3P3W				
	09	Volt/Amp/Hz 3P4W				
C	Volt/Amp Rating					
	1	150V/1 AAC				
	2	150V/5 AAC				
	3	300V/1 AAC				
	4	300V/5 AAC				
D	Frequency					
	1	50/60 Hz				
	2	400 Hz				
E	Analog Output					
	AAA	None				
	AFA	0 to 1 mA DC				
	AHD	4 to 20 mA DC				
F	Communication					
	0	None				
	1	RS-485				
G	Auxiliary Power					
	1	120 VAC				
	2	240 VAC				
	3	24 VDC				
	4	48 VDC				
	5	125 VDC				

AC VOLT AND VOLT/FREQUENCY

To Order—Insert Number Code for Each Letter to Select Catalog Number.
Order Example: 2492-16-1-AHD-0-1

A	B	C	D	E	F
A	2492	Dual Display			
B	Function Connection				
	12	150 Volt/1 Amp AC			
	13	300 Volt/1 Amp AC			
	16	150 Volt/5 Amp AC			
	17	300 Volt/5 Amp AC			
	22	150 Volt and 50/60 Hz			
	23	300 Volt and 50/60 Hz			
	26	150 Volt and 400 Hz			
	27	300 Volt and 400 Hz			
C	Frequency (NA For Frequency Units)				
	1	50/60 Hz			
	2	400 Hz			
D	Analog Output				
	AAA	None			
	AFA	0 to 1 mA			
	AHD	4 to 20 mA			
E	Communication				
	0	None			
	1	RS-485			
F	Auxiliary Power Supply				
	1	120 Volt 50/60 Hz			
	2	240 Volt 50/60 Hz			

AC WATT/VAR/POWER FACTOR

To Order—Insert Number Code for Each Letter to Select Catalog Number.
Order Example: 249247-13-5-AFA-0-1

A	B	C	D	E	F	G
A	2492	Dual Display	2493	Triple Display		
B	Function/Connection					
	40	Watt/VAR 1P2W	34	Watt/VAR/PF 1P2W		
	41	Watt/VAR 1P3W	35	Watt/VAR/PF 1P3W		
	42	Watt/VAR 3P3W	36	Watt/VAR/PF 3P3W		
	43	Watt/VAR 3P4W (2 ¹ / ₂ Element)	37	Watt/VAR/PF 3P4W (2 ¹ / ₂ Element)		
	44	Watt/VAR 3P4W (3 Element)	38	Watt/VAR/PF 3P4W (3 Element)		
	45	Watt/PF 1P2W				
	46	Watt/PF 1P3W				
	47	Watt/PF 3P3W				
	48	Watt/PF 3P4W (2 ¹ / ₂ Element)				
	49	Watt/PF 3P4W (3 Element)				
C	AC Input Rating					
	12	120 Volt/1 Amp	1	120 Volt/1 Amp		
	13	120 Volt/5 Amp	2	120 Volt/5 Amp		
	16	240 Volt/1 Amp	3	240 Volt/1 Amp		
	17	240 Volt/5 Amp	4	240 Volt/5 Amp		
D	Frequency					
	5	50/60 Hz	1	50/60Hz		
	6	400 Hz	2	400Hz		
E	Analog Output					
	AAA	None				
	AFA	0 to 1 mA				
	AFB	0 to ±1 mA				
	AHD	4 to 20 mA				
	AHF	12 ±8 mA (Dual display only)				
F	Communication					
	0	None				
	1	RS-485				
G	Aux. Power Supply*					
	1	120 Volt 50/60 Hz				
	2	240 Volt 50/60 Hz				

* DC Power available on Triple Display meters