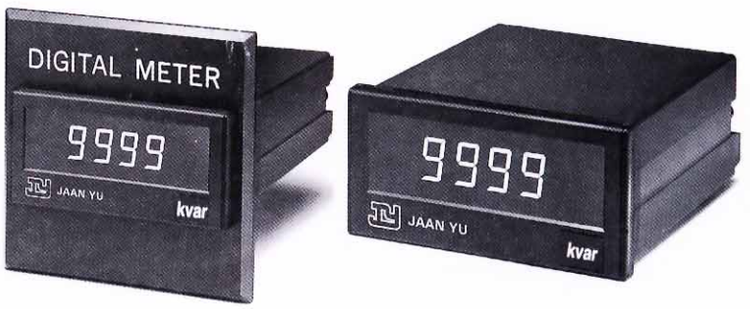
DIGITAL VAR METER (PROGRAMMABLE)

MODEL
J-596RS

FEATURES

- 4 digits display: 9999
- Accuracy ±0.25%
- Programmable process rate monitor
- Precision measurement even for unbalance system
- Easy-to-wire, screw-type terminals
- Outside dimension is DIN standard (96x48mm, 110x110mm)



SPECIFICATION

• Input

Circuit	AC Input		Basic Watt
	Voltage	Ampere	
Single Phase	110V	5A	±0.5 KVar
	220V		±1 KVar
3-Phase, 3-Wire	110V		±1 KVar
	220V		±2 KVar
3-Phase, 4-Wire	√3110V/110V		± 1.5 Kvar
	√3220V/220V		±3 Kvar

• Display (Programmable process)

STAGE	Display (Full Scale)	P I N								
		1	2	3	4	5	6	7	8	9
1	5120	+	–	–	–	–	–	–	–	–
2	2560	–	+	–	–	–	–	–	–	–
3	1280	–	–	+	–	–	–	–	–	–
4	640	–	–	–	+	–	–	–	–	–
5	320	–	–	–	–	+	–	–	–	–
6	160	–	–	–	–	–	+	–	–	–
7	80	–	–	–	–	–	–	+	–	–
8	40	–	–	–	–	–	–	–	+	–
9	20	–	–	–	–	–	–	–	–	+

* DIP Switch Is +, Off, – Three Mode, Don't Setting "Off"

• EXAMPLE: Input: AC 11KV/110V, 100A/5A, 3φ3W
Full Scale: ± 1KVar x 100 x 20 = ± 2000KVar
Display: ± 2000KVar, 2000-(1280)-(640)-(80) = 0
Stage of DIP switches: – – + + – – + – –
D. P Jumper: None

Display ..... 14.2mm (0.56'') H, red LED
Max. input over capability ..... Amp. 3 × rated continuous
10 × rated 30 seconds
50 × rated 1 second
Volt. 750V continuous
Accuracy ..... ±0.25% F.S. ±3 digits
(Option: Depending on actual measurin)
Measuring mode ..... Transducer type
Input burden ..... Volt. input ≤0.5VA/Phase
Amp. input ≤0.1VA/Phase
Input frequency range ..... 50 or 60 HZ
Sampling time ..... Abt. 0.8 sec typically
Over input indication ..... "0000" Flash
Polarity ..... "–" is LEAD side
Bank is LAG side
Aux. power source ..... AC 110V/220V ±10%, 50/60HZ
Power consumption ..... ≤AC 4.5 VA
Operating temperature range ..... 0~60°C
Storage temperature range ..... –10~70°C
Temperature coefficient ..... ≤150PPM/°C
Max. relative humidity 95%
Dielectric strength (IEC 688) ..... AC 2KV/1 minute
Input to power teminals
AC 3KV/1 minute
All teminals to case
Impulse (IEC 255-4) ..... Common mode 1.2×50μS 4 KV
Connection diagram ..... See page 17, figure G.
Dimensions ..... See page 17, figure 02

ORDERING INFORMATION

J-596RS - □□□□□□ – □

A	110x110mm
B	96x48mm

Circuit	Input Voltage	Input Current	Input Freuquency	Aux. Power Source
12: single phase, 2-wire 33: 3-phase, 3-wire 34: 3-phase, 4-wire	1: AC 110V 2: AC 220V 3: AC √3110V/110V 4: AC √3220V/220V 0: Option	A: AC 5A 0: Option	5: 50HZ 6: 60HZ 0: Option	1: AC 110V/220V 0: Option