

AC 3P V · A Meter



Certificates  

Model No.

KDO - 100

① ② ③

- ① Digital meter
- ② 3-phase voltage / current
- ③ Basic specification

Overview

Monitoring 3 phase voltage and current with 2 sets of LED display.
 Up to 500V, direct connection is possible without PT.

Specification

Item	Contents	Item	Contents
Aux. power	AC 90V ~ 260V(50/60Hz)	Burst	Level 4(IEC 61000-4-4)
Display method	7Segment LED(0.56 in. Red.)	Operating temperature	-10°C ~ 50°C(Without frost)
Withstand voltage	2000VAC 1 minute (between external terminal and case)	Insulation resistance	More than 10MΩ (500VDC)
Surge impulse	1.2/50μs, 2kV (IEC 61000-4-5)	Weight	300g
Setting	Voltage ratio : 220/110V, 380/110V, 380√3/190√3V,440/110V Current ratio : 5/5~1000/5A(Total 38 EA)		

Electrostatic discharge, Surge impulse, electromagnetic interference, radio frequency immunity are the same as KDX-200.

Input

Range	Line voltage	AC 50~ 500V	Accuracy	± (0.3% of rdg + 0.2% of FS)
	Current	AC 0.1~ 6.0A		

Configuration

Voltage Display

Line voltage, Phase voltage
 (3Ø3W: total 3EA, 3Ø4W : total 6EA)

Indicate LED

Measuring phase indication

Instructions)

VRS : R/S Led ON

VRN : R Led ON

AR : R Led ON

Current Display

Each phase current indication



VS Button

Voltage indication and voltage ratio setting

- 3P3W : RS > ST > TR

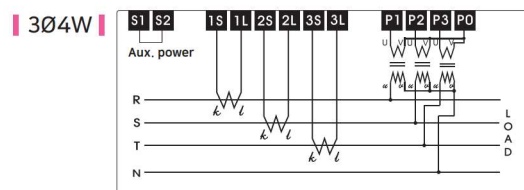
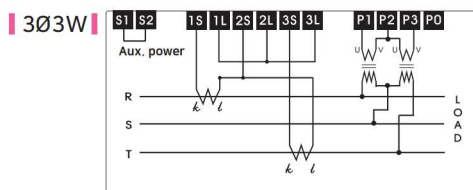
- 3P4W : RS > ST > TR > RN > SN > TN

AS Button

Currents indication R> S> T

and current ratio setting.

Connection diagram



Drawing

Refer to page 80 type C

AC 3P V·A Meter



Model No.

KDO-20
①② ③

① Digital meter	③ Communication
② 3-phase voltage / current	I RS-485
	O None

Overview

Monitoring 3 phase voltage, current, frequency, power and power factor with 2 sets of LED display.

Up to 500V, direct connection is possible without PT.

Specification

Item	Contents	Item	Contents
Aux. power	AC 90V ~ 260V(50/60Hz)	Burst	Level 4(IEC 61000-4-4)
Display method	7Segment LED(0.56Inch, red))	Operating temperature	-10°C ~ 50°C(Without frost)
Withstand voltage	2000VAC 1 minute (between external terminal and case)	Insulation resistance	More than 10MΩ (500VDC)
Surge impulse	1.2/50μs 4kV, 8/20μs 2kA	Weight	300g
Communication	Interface RS-485 Multi Drop 2Wire Protocol Modbus RTU Transmission rate 9600bps Communication ID 0~255		
Setting	Voltage ratio 220/110V, 380/110V, 380√3/190√3V,440/110V Current ratio 5/5~1000/5A(total 38 EA)		

Input

Range	Line voltage	AC 50~ 500V	Accuracy	± (0.3% of rdg + 0.2% of FS)
	Current	AC 0.1~ 6.0A		

Configuration

Voltage Display

Line voltage, Phase voltage
(3Ø3W: total 3EA, 3Ø4W: total 6EA)

Indicate LED

Phase indication of each display window
Example)

VRN : Red Led ON
IR : Red Led ON
Hz : Blue Led ON

Current Display

Each phase current, frequency, power, power factor indication



VS Button

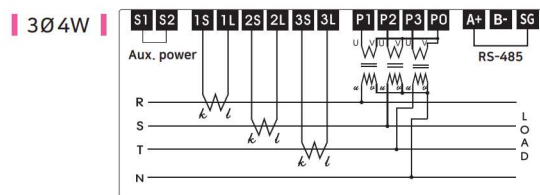
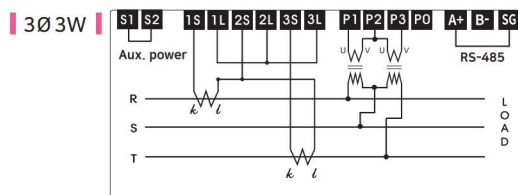
Voltage indication and voltage ratio setting for each appliance

- 3P3W : RS > ST > TR
- 3P4W : RS > ST > TR > RN > SN > TN

AS Button

Current and other data indication
R>S>T>Hz>W>PF, and current ratio setting.

Connection diagram



Drawing

Refer to page 80 type C