



1.Application

Digital panel meter which is various and artistic in appearance design is used for dual slope, high precise A/D changeover circuit and high light LED cassette setting specification. It is very convenient for user to fix the equipment.

2.Specification

Description	Direct input range	Input current range	Operation voltage	Display range	Class
AC & DC digital voltage meter	AC DC0-100V	—	AC 220V 50/60Hz	0-1999	0.5
AC & DC digital Ampere meter	AC 10-20A DC 0-10A	—	AC 220V 50/60Hz	0-1999	0.5
Frequency digital meter	AC 10-2KHZ (20-300V)	—	AC 220V 50/60Hz	0-1999	0.5
AC tri-phase watt meter	AC 0-100V	AC 5A	AC 380V 50/60Hz AC 110V 50/60Hz	0-1999	—
AC single-phase watt meter	AC 0-220V	AC 10-5A	AC 220V 50/60Hz AC 110V 50/60Hz	0-1999	—
AC single-phase factor meter	AC 100-300V	AC 5A	AC 220V 50/60Hz	0.5-0-0.5	—



1.Application

Combined display digital panel meters are used for sensor with linear output characteristics, which can measure the voltage, current and standard signal and display the data responding to pressure, weight, revolving speed, temperature, speed etc.

2.Specification

Model	Display	Outside dimension	Hatch dimension
HCD194I-2X4	Three phase current A,A,A	120X120X100	111X111
HCD194U-2X4	Three phase voltage V,V,V		
HCD194H-2X4	Voltage(V), current(A) and PF(cos φ)		
HCD194F-2X4	Voltage(V), current(A) and frequency(Hz)		
HCD194I-9X4	Three phase current A,A,A	96X96X120	91X91
HCD194U-9X4	Three phase voltage V,V,V		
HCD194F-9X4	Voltage(V), current(A) and frequency(Hz)		
HCD194I-AX4	Three phase current A,A,A	72X72X120	67X67
HCD194U-AX4	Three phase voltage V,V,V		
HCD194F-AX4	Voltage(V), current(A) and frequency (Hz)		
HCD194IU-AX7	Voltage(V), current (A)	72X72X120	
HCD194IU-9X7	Voltage(V), current (A)	96X96X120	



1.Application

HCD194E multifunction electric power monitoring meter

Function:series HCD194E electric power monitoring meter has features of programmable measurement and display,digital communication,etc.It is widely used for measuring and analyzing electric quantity in power network,and has function of electric quantity measurement,electric energy metering,data acquisition and transmission.It is one of best instruments for electric power measurement, management and tesst for enterprises .the precision of this meter is 0.5 degree and conforms to IEC60687 standard.the meter has asynchronous semiduplex RS-485 interface and MODBUS protocol.

HCD194E-2S4:

HCD194E-2S4:measure 3-phase voltage,3-phase current, active power,reactive power,frequency,power factor, active electric energy (absorb)and reactive electric energy (inductive).these data can be display by 3-row-4-digit LED and indicators by changing mode, i.e.b by press "→ " and "←" keys, the respective indicator wil light up when select the electric parameter. the active and reactive electric energy displayed by 8-digit LED, the first two rows display the electric parameter, the third row displays the unit, e.g. "0245, 23.67, Wh" means the active electric energy is 24523.67 Wn (i.e.24.5kWh) when the unit indicator does not light up. when display the frequency, the first row displays the unit (Hz), the second row displays the value. the display can switchover by presetting the "DISP" value, then "DISP"=0 the meter will automatically display circularly the voltage, current, power, electric energy and frequency.

Note:For 3-phase-4wire system, the meter will display the phase voltage normally, and press" ←" key can switch the display between phase voltage and line voltage. for 3-phase-3wire system, the meter will display the line voltage.

HCD194E-2S7:

HCD194E-2S7: measure 4 quadrants electric energy:active electric energy (absorb and release), reactive electric energy (inductive and capacitive),2-row-6-digit LED to display active electric energy (inductive) respectively.when press down the switch key , the meter will display active electric energy (capacitive) for a period then turn back to display reactive electric energy (capacitive) or active electric energy (release).

HCD194E-2S9:

HCD194E-2S9: measure 3 current and 1 active electric energy, 3-row-4-digit LED to display current and 1-row-6-digit LED to display electric energy. the meter must connect the input voltage before measurement ; the display should be zero when the input voltage has not connected and electric energy cannot accumulate.

	Measurement	display		Function		
		Content	Mode	Digital communication	Program control	Pulse output
HCD194E-2S4	All electric quantities in electric network	All	Auto or switchover	RS-485	Yes	2 paths
HCD194E-2S7	4-quadrant electric energy	4 electric parameters	Switchover	RS-485	Yes	2 paths
HCD194E-2S9	3-phase current and active power	Current and active power	Fixed	RS-485	Yes	2 paths

