

Electric Application Solution Expert

PD 194Z-9HY



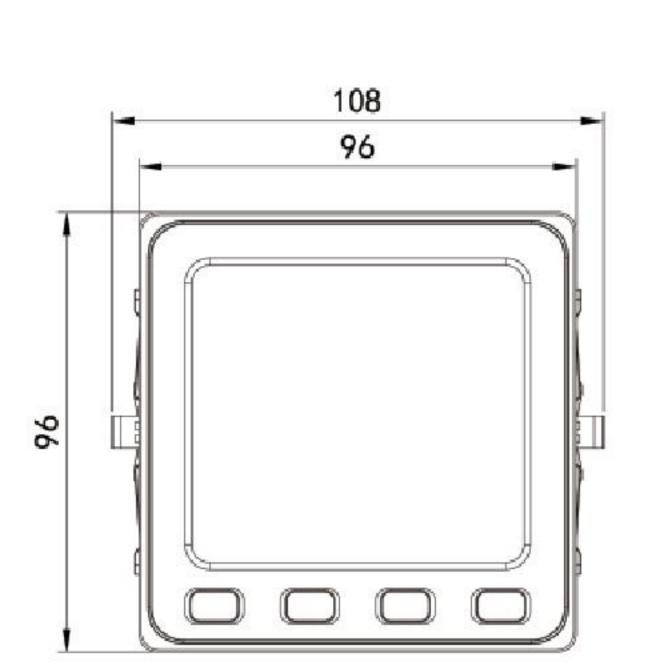
PRODUCT INTRODUCTION

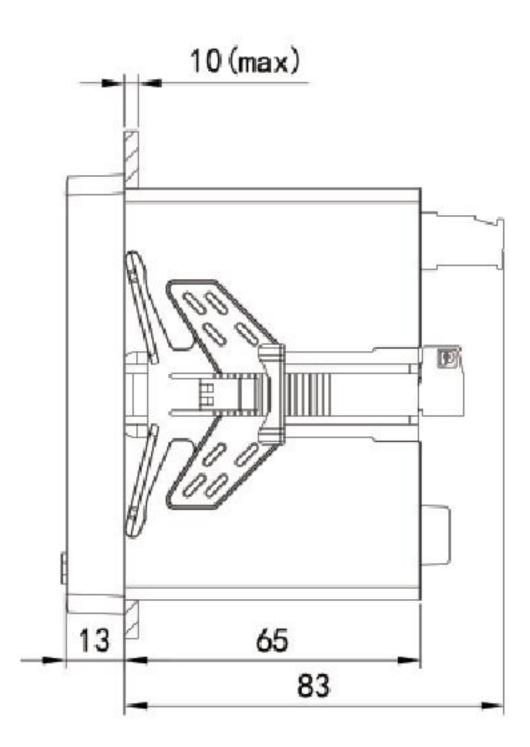
MAIN FEATURES

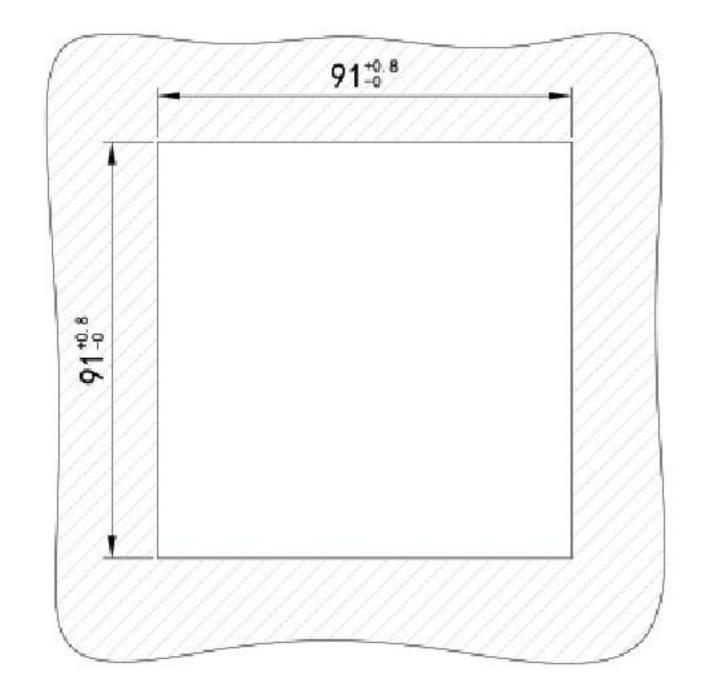
Full power parameter measurement, Energy Metering, Harmonic monitoring, Limit alarm, Switch Status Monitoring. APPLICATIONS

Energy Management, Power Monitoring.





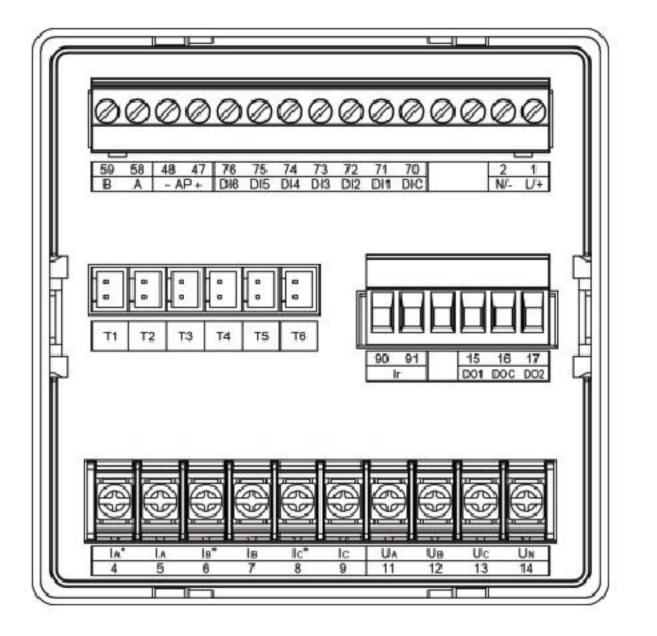


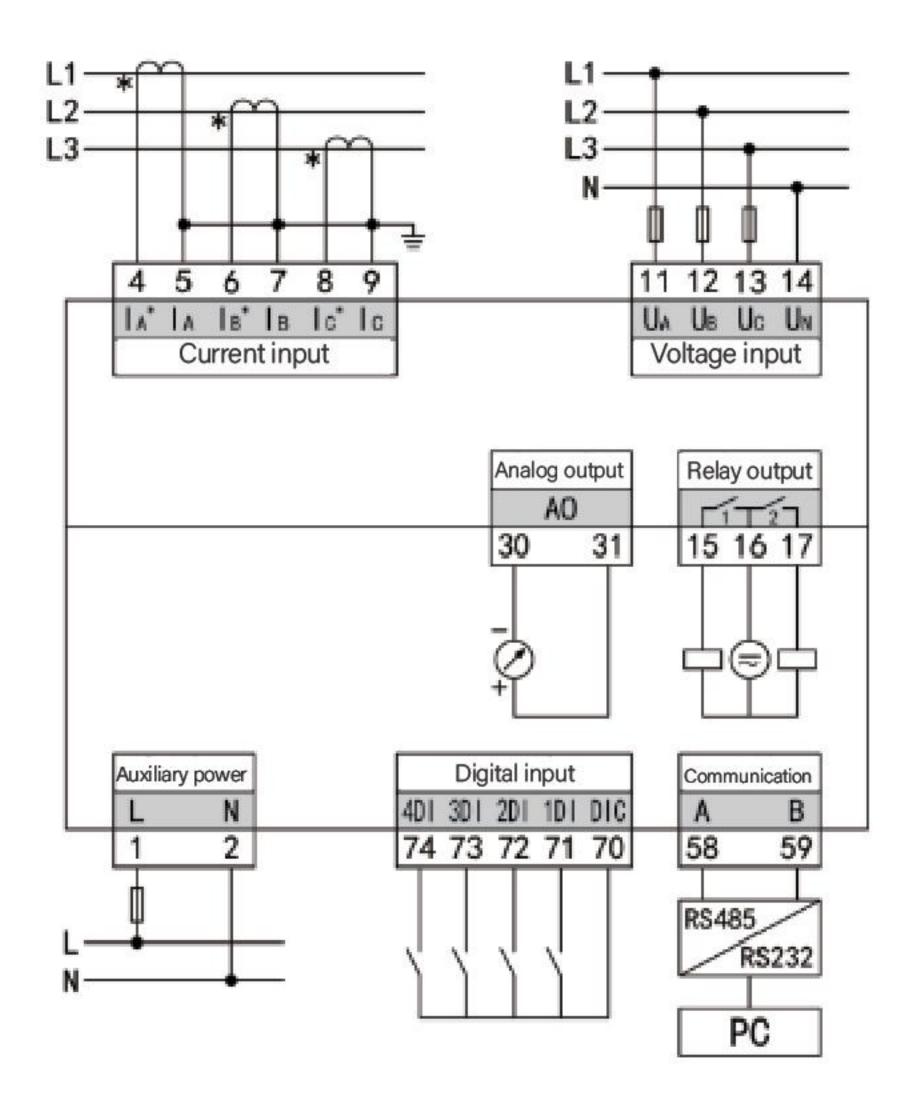






۲ERMINALS AND TYPICAL WIRING

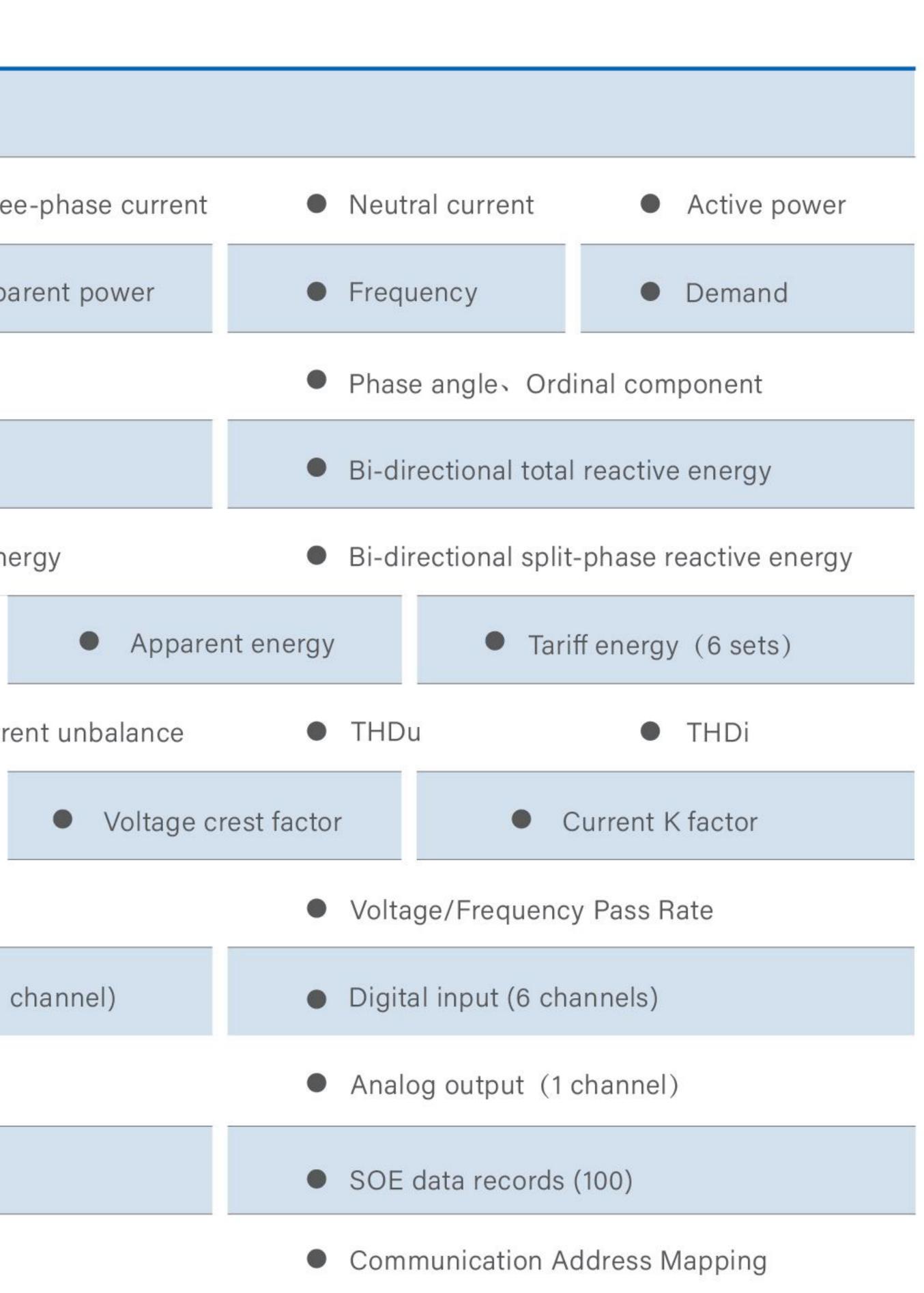






TECHNICAL SPECIFICATION

Function	PD194Z-9HY
Display method	LCD display
	 Three-phase voltage Three
Real-time measurement	 Reactive power Appa
	Max、Min、Average value
	Bi-directional total active energy
Energy Metering	 Bi-directional split-phase active ene
	Four-quadrant reactive energy
	Voltage unbalance
Power quality monitoring	Harmonics (51st)
	Voltage/frequency deviation
In put / Output	RS485 communication interface (1 c
Input/Output	 Relay output (2 channels)
Others	Limit alarm
Uners .	Freezing data





Environme	ental features	
Operating te	emperature	
Storage tem	perature	
Relative hur	nidity	
Working alti	tude	
Pollution lev	/el	
Mechanica	al features	
Dimension		
IP		
Security fe	eatures	
Measureme	nt category	
Safety		
Auxiliary p	ower	
Voltage		
Frequency		
Power const	umption	
and the second sec		
Voltage in	put	
Voltage in Rated value		
Rated value		
Rated value Startup valu		
Rated value Startup valu Resolution		
Rated value Startup valu Resolution Impedance		
Rated value Startup valu Resolution Impedance Power consu		
Rated value Startup valu Resolution Impedance Power consu Overload	umption	
Rated value Startup valu Resolution Impedance Power consu Overload Frequency	umption	
Rated value Startup valu Resolution Impedance Power consu Overload Frequency Current in	umption	
Rated value Startup valu Resolution Impedance Power consu Overload Frequency Current in Rated value	umption	
Rated value Startup valu Resolution Impedance Power consu Overload Frequency Current in Rated value	umption	
Rated value Startup valu Resolution Impedance Power consu Overload Frequency Current in Rated value Startup valu Resolution	e umption put	
Rated value Startup valu Resolution Impedance Power consu Overload Frequency Current in Rated value Startup valu Resolution	e umption put	

-25°C - +55°C

-25°C - +70°C

5%-95%RH, no condensation

≤ 2000m CAT III

2

96mm×96mm×83mm

Front IP54, Back IP20

300V (CAT III)

IEC 61010-1, double insulation

AC/DC 80V-270V

50/60Hz \pm 5Hz

 \leq 5VA

230/400VAC

10V

0.1 V

 \ge 1.7 M Ω /phase

 \leq 0.1 VA /phase

continued: 1.2Vn, instant: 2Vn/1min

45Hz-65Hz

1A or 5A

10mA

1mA

 \leq 20m Ω /phase

≤ 0.2 VA/phase

continued: 2ln, instant: 20ln/1s

Digital input		
Quantity		
Туре		
Relay output		
Quantity		
Contact rating		
Analog output		
Quantity		
Туре		
Load capacity		
Communication Interface		
Quantity		
Interface		
Rate		
Protocol		
Real Time Clock		
clock drift		
Terminal		
Tightening torque		
Standard		
IEC 61557-12	P	'e
GB/T 22264.7	S	Sp
IEC 61326-1		
IEC 61010-1		
Insulation		
Certificate		
Active energy		
	QuantityTypeRelay outputQuantityContact ratingAnalog outputQuantityQuantityTypeLoad capacityQuantityQuantityProtocolReal Time ClockReal Time ClockItightening torqueStandardIcc 61557-12GB/T 22264.7IEC 61326-1InsulationCertificate	Quantity Image: standard stan

4
Dry contact, built-in DC 24V
2
AC 250V/5A or DC30V/5A
1
4-20mA, 4-12-20mA
≤ 500 Ω
1
RS485
2400bps - 115.2kbps
Modbus-RTU, DL/T 645
≤ 0.5s/day
0.5Nm
Performance Measurement and Monitoring Devices
Special requirements for multifunction instruments
Electromagnetic Compatibility
Electrical Safety
IEC61010-1
CE
IEC62053-22