



GPS-

# 290PR



## A multifunctional, digital smart meter specialising in on-site measurement

The GPS-290PR adds capabilities, simplifies challenges, and gives you the best readings over the previous model 290P. The flexible coil clamp and locking mechanism allows you take measurements in tight or awkward spots – ideal for multiple conductor measurements, double-wrap requirements, and deeper access. The clamp uses flexible Rogowski coils, which are very convenient to use and fully compatible with the functions of its predecessor, GPS-290P. With coil technology, there is no magnetic stagnation effect and almost zero phase error. The phenomenon is extremely linear and has strong resistance to interference.

With high measurement accuracy, the instrument has a USB communication interface, can store data, upload the stored data to the computer through system software, and realize the functions of reading, querying, saving, printing and other historical data. The instrument also has backlight function and data retention function, and is an essential tool for electrical safety testing.

### Key Features

- *Multiple measuring capabilities:* three-phase AC voltage, current, active power, reactive power, apparent power, total power, the phase between current and voltage, the phase between phase voltage, frequency, electric energy, phase sequence, and more
- *Take measurements in tight spots:* snake the 18" flexible coil clamp around obstacles easily in deep, crowded cabinets, and measure multiple conductors with limited clearance.
- *Easy inspection and navigation:* Portable and lightweight, with backlight to illuminate dark cabinets, the 290PR was designed with your convenience in mind.
- *Read, store, analyse:* With USB interface, upload the storage data to the computer through the system software, convenient to reading, saving, printing and so on

### Application

- industrial equipment
- industrial controls
- residential/commercial/industrial electrical systems
- commercial/industrial HVAC

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## Technical Specifications

# POWER CLAMP METER

GPS-290PR Power Clamp Meter			
	Range	Accuracy	Resolution
Current Measurement	AC 0.00mA~6000A	±0.5%Fs	0.1A
Voltage Measurement	AC 0.01V~600V	±0.5%Fs	0.01V
Active Power Measurement	0.00W~ 3600kW	±1%Fs	0.01W
Apparent Power Measurement	0.00VA~ 3600kVA	±1%Fs	0.01VA
Reactive Power Measurement	0.00var~ 3600kvar	±1%Fs	0.01var
Power Factor Measurement	0.300~1.000	±0.5%Fs	0.001
Electric Energy Measurement	0.00Wh~360000kWh	±0.5%Fs	0.01Wh
Frequency Measurement	25.0Hz~600.0Hz	±0.5Hz	0.1Hz
Phase Measurement	0.0°~360.0°	±0.5°	0.1°
CT Size	φ200mm		
Sampling Rate	2 times/second		
Frequency	50Hz ,60Hz automatic identification		
Communication Interface	With USB interface, storage data can be uploaded to computer, convenient to data analyse, communication cable length: 1.8m		
Data Storage	200 groups, flash display "FULL" symbol indicate storage full		
Data Hold	Data hold function: "HOLD" symbol display		
Overflow Display	Exceed measure range overflow function: "OL" symbol display		
Auto Shut Down	15 minutes after power on, it will shut down automatically without any operation to reduce the power consumption. Includes low battery indicator.		
Backlight	Yes, controlled by "*" key		

### Standard Accessories

Test Wires:4PCS (1 each of yellow, green, red, black);  
 USB communication cable: 1PCS;  
 Software CD: 1COPY;  
 Meter Case: 1PCS

### Power Supply

6V DC(LR03X4PCS)

### Working Current

Backlight open 80mA;  
 Backlight close 50mA

## General Specifications

Model	Description	Part Number
GPS-290PR	Rogowski Coil/Flexible Coil Clamp Power Meter	480290

### Mass

272g approx.

### Dimensions

200mm x 380mm x 40mm approx.

### Operating

Temp -10°C - 40°, humidity 10-80%RH

### Services

1-year warranty (subject to product registration with GPS Ltd)

Please contact for more information

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