

Wireless 3-Phase Current Meter

R718N3 Series User Manual

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1. Introduction

The R718N3 series is 3-Phase Current Meter device for Netvox Class A type devices based on the LoRaWAN open protocol and is compatible with the LoRaWAN protocol. R718N3 series have different measuring range for different variety of CT.

It is divided into:

R718N3 Wireless 3-Phase Current Meter with 3 x 50A Solid Core CT (Range:100mA-50A , Accuracy: $\pm 1\%$ (300mA-50A))

R718N37 Wireless 3-Phase Current Meter with 3 x 75A Clamp-On CT (Range:100mA-75A , Accuracy: $\pm 1\%$ (300mA-75A))

R718N315 Wireless 3-Phase Current Meter with 3 x 150A Clamp-On CT (Range:1A-150A $\pm 1\%$)

R718N325 Wireless 3-Phase Current Meter with 3 x 250A Clamp-On CT (Range:1A-250A $\pm 1\%$)

R718N363 Wireless 3-Phase Current Meter with 3 x 630A Clamp-On CT (Range:10A-630A $\pm 1\%$)

R718N3300 Wireless 3-Phase Current Meter with 3 x 3000A Clamp-On CT (Range:150A-3000A $\pm 1\%$)

* When the current of the device that is 75A or below is less than 100mA, the current is reported as 0.

When the current of the device that is above 75A is less than 1A, the current is reported as 0.

LoRa Wireless Technology:

LoRa is a wireless communication technology famous for its long-distance transmission and low power consumption.

Compared with other communication methods, LoRa spread spectrum modulation technique greatly extend the communication distance. It can be widely used in any use case that requires long-distance and low-data wireless communications. For example, automatic meter reading, building automation equipment, wireless security systems, industrial monitoring. It has features like small size, low power consumption, long transmission distance, strong anti-interference ability and so on.

LoRaWAN:

LoRaWAN uses LoRa technology to define end-to-end standard specifications to ensure interoperability between devices and gateways from different manufacturers.

