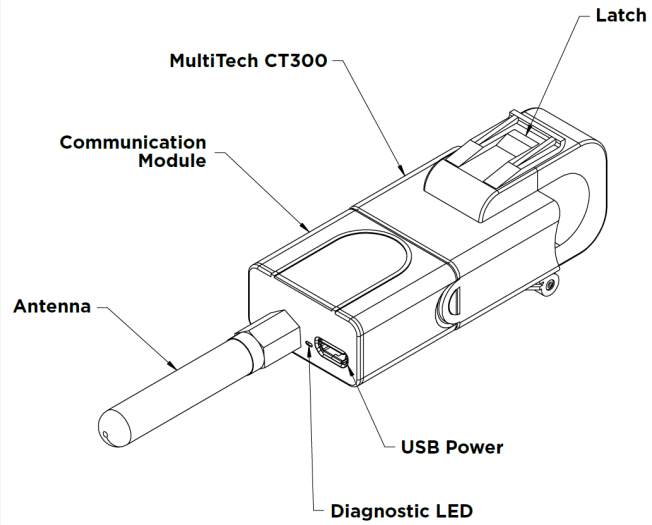
TABLE OF CONTENTS

ABOUT THE MULTITECH CT300

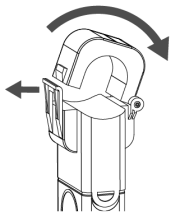
MultiTech CT300 (MTCT300) is a wireless and self-powered electrical current monitoring **device**. It is capable of reporting average, peak, and minimum RMS Amperes and tracking accumulated Amp-Hours. The device parasitically harvests energy from the monitored conductor, negating the need for routine maintenance to replace or charge batteries.



MTCT300 uses sub-gigahertz **LoRaWAN** for long range wireless communications. This IoT interface can be deployed as a private network, or used with an available public one. The use of short data messages increases reliability of transmission in suboptimal environments such as metal electrical panels.



The MTCT300 uses a split-core current transformer to allow easy installation on existing wiring.



Ordering Options

Ordering Part Number	Description	Region
MTCT300-NA-1	Industrial wireless 300A current transformer for energy monitoring – 1 Pk	Canada United States
MTCT300-NA-10	Industrial wireless 300A current transformer for energy monitoring – 10 Pk	
MTCT300-EU-1	Industrial wireless 300A current transformer for energy monitoring – 1 Pk	European Union United Kingdom
MTCT300-EU-	Industrial wireless 300A current	

Specifications

Category	Description
Operational Characteristics	
Voltage	85 to 480 VAC
Power Consumption	0.7 W[1]
Frequency	47 to 63 Hz
Temperature Range	-25 to 70 °C
Humidity	Typical: < 60% RH
	Max: 80% RH
Pollution Degree	2
Operational Altitude	2000m
Mechanical Characteristics	
Weight	2.3 oz (65 g)
IP Degree of Protection	IP51 (indoors)

Category	Description
Exterior Dimensions (L×W×D)	3.2" × 1.25"× 0.6" (82 × 32 × 16mm)
Mounting	Wire-Hang
Communications	
Wireless Interface	800-900 MHz LoRaWAN
LoRaWAN Specification	1.0.2 RevB
Frequency Bands	US915/EU868
LoRaWAN Device Class	Class A
Transmit Power	+20 dBm
Receive Sensitivity	-137 dBm
Certifications	
UL/CSA	UL 508, CSA C22.2 #14-18
FCC ID	2APCG-VUHDC1

Category	Description
Warranty	
Warranty	One year from date of purchase. Note: Repair is by the manufacturer only. Opening MTCT300 voids the warranty.

Contact Information

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