


DATASHEET

Product information BRID212010-ADMOD-CURR

Name	BRID212010-ADMOD-CURR
	
Product description	
Type	IEPE compatible Current Clamp module
Description	AD-converter interchangeable plug-in module for iQunet Wireless Bridge, 1 channel, accepts analog signal from one IEPE compatible Current Clamp (clamp and/or cable not included). Country of origin: BE - HS: 90318080 - ECCN: NO
Note	The plug-in module converts the analog current clamp signal to digital, ready for wireless transfer via the Wireless Bridge.
Product specifications	
Material	EMC shielded PCBA
Weight	30 g
Connector	Fits connector of Wireless Bridge, fixed with 2 M2x4mm screws
Operating temperature	-10° to +50°C
L x W x H (mm)	43 x 32 x 8
Ingress protection	None (to be installed in Wireless Bridge with IP66/67 –see datasheet BRID201010-BOX24V-Datasheet-D1373)
Power consumption	Max. 400mA at 5VDC
Temperature registration	Not applicable
Number of measured current lines	For one IEPE compatible Current Clamp with integrated amplifier 22.6mV/A (wired to Wireless Bridge - up to 3 clamps with use of 3 modules)
Measuring specifications	
Sampling rate	1MHz
Output sampling rate	4Hz to 4000Hz
Number of samples	32 to 8192 (user selectable via Sensor Dashboard Software)
Sensitivity	22.6mV/A (with standard type 300V~ 100A ~ iQunet Current Clamp)
Measuring mode	<ul style="list-style-type: none"> Always on, self-triggering with data collection at programmable timer interval Manual trigger
Measuring units	mA, A, or A.s (charge)
Post processing	<ul style="list-style-type: none"> Time series, frequency, or waterfall plots DFT averaging for noise reduction Trend tracking: RMS or Kurtosis (A and A.s) Configurable high pass cut off filter (0-800Hz) optional: Anomaly Detection Service (based on AI/ML unsupervised learning)
Amplitude range	Depending on selected current clamp (standard type: 300V ~ 100A ~ iQunet Current Clamp)
Certification	CE / FCC / KC
Compliance	EMC: EN 301 489-1 / EN 301 489-3