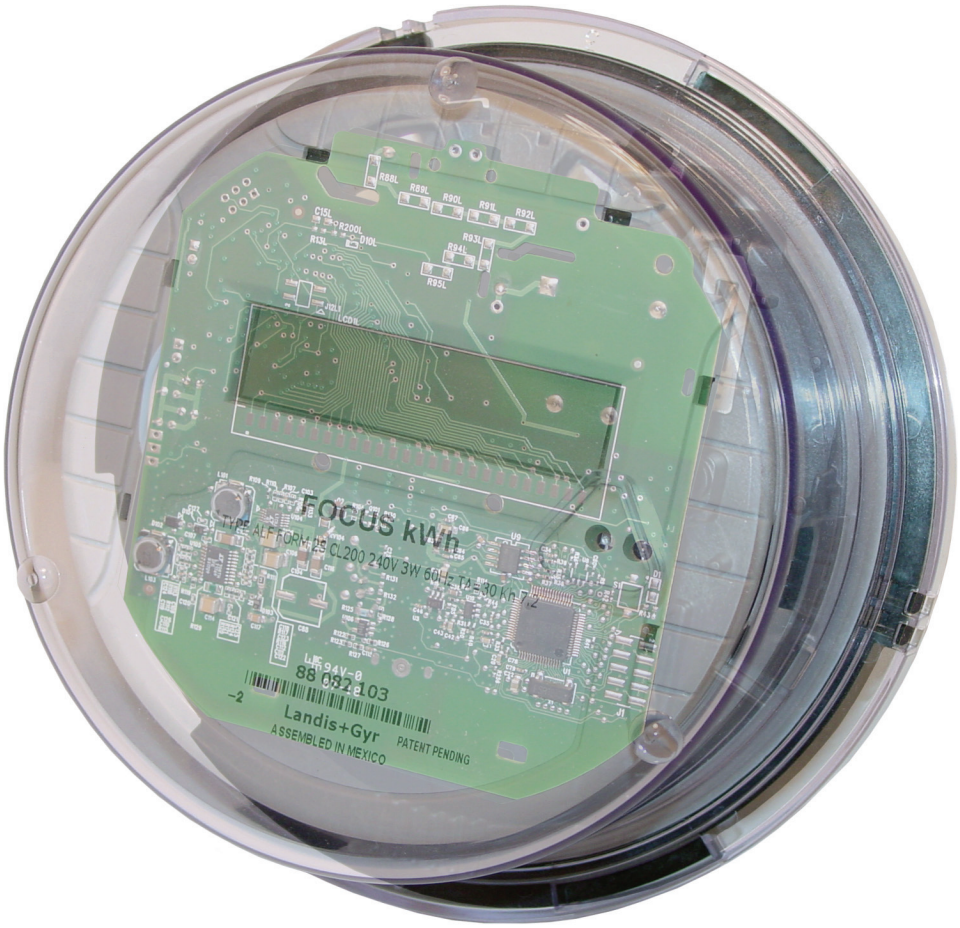
Stat Signal FOCUS Integrated Endpoint Data Sheet

Hunt Technologies

General

The Hunt Technologies StatSignal FOCUS Integrated endpoint is designed to accommodate Landis+Gyr FOCUS meters for use in residential and light industrial services. The StatSignal FOCUS Integrated module directly reads kWh usage data from the meter register and sends this information to a StatSignal AiNODE collection device utilizing RF transmission. The AiNODE collector forwards this information to Hunt Technologies' Command Center software.

Figure 1. The Hunt Technologies StatSignal FOCUS Integrated Endpoint Module and L+G FOCUS Meter



FCC Compliance Information

Model: FASY-0680
FCCID: TEB-HUNTSS680
IC: 5931A-HUNTSS680

Compliance Statement (Part 15.19)

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

CAUTION Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Endpoint Location

To comply with FCC's RF exposure limits for general population/uncontrolled exposure, the antenna(e) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be collocated or operating in conjunction with any other antenna or transmitter.

Endpoint Usage

The StatSignal FOCUS Integrated endpoint will be used:

- for residential and commercial metering applications.
- at homes and businesses.

The StatSignal FOCUS Integrated endpoint requires professional installation by qualified personnel.

RF Interference

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the meter off, the user is encouraged to try to correct the interference by one or more of the following measures:

- Re-orient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Consult Hunt Technologies or an experienced radio/TC technician for help.

Specifications

Table 1. StatSignal FOCUS Integrated Endpoint Specifications

Category	Specification	Value or Range					
Compatible Meters	Meter Type	Landis+Gyr FOCUS					
	Supported Meter Forms	**120V FASY-0680-0001**			**240V FASY-0680-0002**		
		Form	**Class**	**L+G Part Number**	**Form**	**Class**	**L+G Part Number**
		1S	100	EA0000T0-QQQQ*	2S	200	EA1100T0-QQQQ*
		3S	20	EA0G00T0-QQQQ*	2SE	320	EA1400T0-QQQQ*
		12S	200	EA01C0T0-QQQQ*	2K	480	EA1600T0-QQQQ*
		25S	200	EA0A00T0-QQQQ*	3S	20	EA0H00T0-QQQQ*
					4S	20	EA0J00T0-QQQQ*
		***Note:** The last four digits of the Landis+Gyr part number identify a specific customer feature set including custom name plate, programming and RKAs.					
Electrical	Voltage	120/240V (depending on meter form)					
	Power	Max: 2.2W (1.2W meter, 1W transceiver) Typical: 1.2W (.7W meter, .5W transceiver)					
RF	Output Power	+27 dBm +/-2 dBm					
	Adjacent Channel Power	+50 dBc Nominal					
	Transmit Frequency	902 to 928 MHz ISM unlicensed (FCC Part 15)					
	Communication Protocol	StatSignal RF MESH Protocol					
Standards Compliance	FCC Title 47 CFR Part 15	Radiated and Conducted Emissions (incl. intentional radiators)					
	IEC 61000 4-2,3,4,5,11,12	Electromagnetic Compatibility					
	ANSI C12.19	Compatible with Utility Industry End Device Tables					
	ANSI C12.20	National Standard for Electricity Meters - 0.2 and 0.5 Accuracy Classes					
	ANSI C12.21	Code for Electricity Metering					
	ANSI C37.90.1 (1989)	Standard Surge Withstand Capability (SWC) Tests					
Environmental	General Environmental	Outdoor, rain-protected, sunlight-exposed					
	Operating Temperature Range	-40 to +70 C (under meter glass)					
	Humidity	0 to 95% relative humidity, non-condensing					
Mechanical	Size	4 H x 4.8125 W x 1.25 D inches, typical					
	Weight	5 ounces (142 g), typical					

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