



Excellence in Compliance Testing

Certification Exhibit

**FCC ID: SDBCPTP100
IC: 2220A-CPTP100**

**FCC Rule Part: CFR 47 Part 24 Subpart D, Part 101, Subpart C
IC Radio Standards Specification: RSS 119, RSS 134**

ACS Project Number: 15-3054

**Manufacturer: Sensus Metering Systems, Inc.
Model: CPTP100**

Label



NOTES:

- 1. PART APPROVAL REQUIREMENTS:
 - A. ALL FEATURES DIMENSIONED ON THE DRAWING REQUIRE FAI MEASUREMENTS AS DETAILED IN QMS0059 PRIOR TO PRODUCTION RUN APPROVAL. ALL DIMENSIONS APPLY BEFORE DECORATION IF APPLICABLE.
 - B. DIMENSIONS MARKED AS "CTQ" ARE "CRITICAL TO QUALITY" AND REQUIRE CPK MEASUREMENTS AS DETAILED IN QMS0059 PRIOR TO PRODUCTION RUN APPROVAL.
 - C. DIMENSIONS IN OVALS AND MARKED AS "SPC" ARE TO BE USED FOR STATISTICAL PROCESS CONTROL AS DETAILED IN QMS0059.
 - D. REFERENCE DIMENSIONS, MARKED WITH PARENTHESIS, ARE FOR REFERENCE ONLY AND DO NOT REQUIRE FAI MEASUREMENTS UNLESS REQUESTED.
- 2. MATERIAL
 - A. ALL MATERIALS USED MUST BE REACH AND RoHS COMPLIANT (SUBSTRATE AND GRAPHICS)
 - B. LABEL SUBSTRATE - 3M FM041902 (.002") WITH CLEAR LAMINATE (.001") APPLIED AFTER GRAPHICS
- 3. DECORATION
 - A. COLOR - WHITE BACKGROUND WITH BLACK TEXT
 - B. GLOSS LEVEL - MATTE
 - C. FONT
 - D. THE ARTWORK IS TO BE APPROVED BY SENSUS
- 4. TOOLING
 - A. MODIFICATIONS TO APPROVED TOOL REQUIRE APPROVAL FROM SENSUS ENGINEERING
 - B. SAMPLE PARTS SHOULD BE SUBMITTED TO SENSUS ENGINEERING PRIOR TO PRODUCTION RUN APPROVAL.

ATTENTION: 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.

Vmax=5.0VDC	I _{max} =1.25uA	C _i = 0uF	L _i = 0uH	REF CELL (-)
Vmax=5.0VDC	I _{max} =1.25uA	C _i = 0uF	L _i = 0uH	Analog Input 3 (+)
Vmax=5.0VDC	I _{max} =1.25uA	C _i = 0uF	L _i = 0uH	Analog Input 2 (+)
Vmax=5.0VDC	I _{max} =1.25uA	C _i = 0uF	L _i = 0uH	Analog Input 1 (+)

Assuming Cable Has =< 0.2uH/FT and 60pF/FT Cable Length < 100 Meters
 WARNING: DO NOT REMOVE OR REPLACE WHILE CIRCUIT IS LIVE UNLESS THE AREA IS KNOWN TO BE FREE OF IGNITABLE CONCENTRATIONS OF FLAMMABLE SUBSTANCES
 CERTIFIED FOR CLASS 1, DIV 2, GROUP D ENVIRONMENT
 THIS MARKING LABEL IS ASSOCIATED WITH CONTROL DRAWING 96004826
 REFER TO CONTROL DRAWING FOR MORE DETAIL.

SGS XXXXXX

Ref Cell ○ W
 Input 3 ○ G
 Input 2 ○ R
 Input 1 ○ B

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SCALE 1.000

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1.30

5.00

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5396310139113	CPTP SPECIFICATION LABEL
SENSUS PART NUMBER	DESCRIPTION

CREATION DATA DATE FORMAT - YYYY.MM.DD		ALL DIMENSIONS ARE IN MILLIMETERS REFERENCE ASME Y14.5 2009			
CREATED BY:	RPM	UNLESS OTHERWISE SPECIFIED, TOLERANCES TO BE:			
CREATED ON:	2015.12.04	ANGLES	.X	.XX	.XXX
APPROVED BY:		±.50°	±1.00	±.25	±.100
APPROVED ON:		MATERIAL / PART SUPPLIER	SEE NOTE 2		
CHANGE DATA DATE FORMAT - YYYY.MM.DD		MATERIAL TYPE	SEE NOTE 2		
ECN:		SUPPLIER PART NUMBER	N/A		
CHANGED BY:		SENSUS MATERIAL PART NUMBER	N/A		
CHANGED ON:		MASS	2345.17 g		
APPROVED BY:		VOLUME	.06 mm³		
APPROVED ON:		MOLD REVISION	N/A		
CHANGE DESCRIPTION:					

SENSUS

8601 SIX FORKS RD
 SUITE 700
 RALEIGH, NC 27615
 USA

TITLE: CPTP SPECIFICATION LABEL

PROJECT: CPTP

LIFECYCLE STATE: Design

THIRD ANGLE PROJECTION

SHEET SIZE: B

REVISION: 0

SHEET: 1 OF 1

SCALE: 2.50

DRAWING NUMBER: 96004745