

CU2 Electronics Module

The drawing includes three main views of the CU2 module:

- Front View:** Shows the top panel with labels "CU2 Closed-Loop Module Serial No. XXXX". It features three columns of potentiometers labeled X_o, Y_o, Z_o; X_z, Y_z, Z_y; X_y, Y_x, Z_x; and X_g, Y_g, Z_g. Controls include OFFSET, ORTHOG, and GAIN.
- Rear View:** Labeled "Front Panel" and "Reference Magnetometer". It shows a "Current Control Output" connector labeled "TO PA1" and a "Reference Magnetometer" connector.
- Side View:** Shows the profile of the module with dimensions 143.8 ±1 mm (total width) and 134.8 ±1 mm (internal width).
- Bottom View:** Labeled "Rear Panel ALL CONNECTIONS TO CU1". It shows a "Current Control Input" connector and an "Auxiliary" connector.

Dimensions:

- Overall Width: 143.8 ±1 mm
- Internal Width: 134.8 ±1 mm
- Front Panel Width: 106.1 ±1 mm
- Front Panel Height: 57.6 ±1 mm
- Reference Magnetometer Height: 56.1 ±1 mm

Pin Configuration Table:

	Current Control Input	Auxiliary	Current Control Output	Reference Magnetometer
Pin	RM15TRD-10S	RM15TRD-10P	RM15TRD-10S	RM15TRD-10P
1	X_CUin+	X_REFin	X_PA+	Detect C
2	Y_CUin+	Y_REFin	Y_PA+	Detect Z
3	Z_CUin+	Z_REFin	Z_PA+	Detect Y
4	N/C	Power GND	N/C	Detect X
5	N/C	Signal GND	N/C	Excitation C
6	N/C	+15V	N/C	Excitation Z
7	N/C	-15V	N/C	Excitation Y
8	X_CUin-	Signal GND	X_PA-	Excitation X
9	Y_CUin-	Signal GND	Y_PA-	N/C
10	Z_CUin-	Signal GND	Z_PA-	N/C

Bartington Instruments Logo

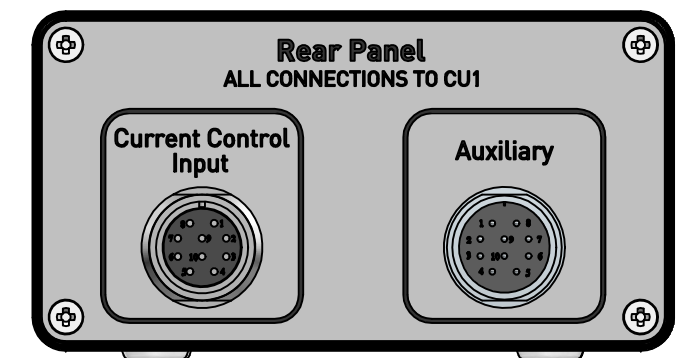
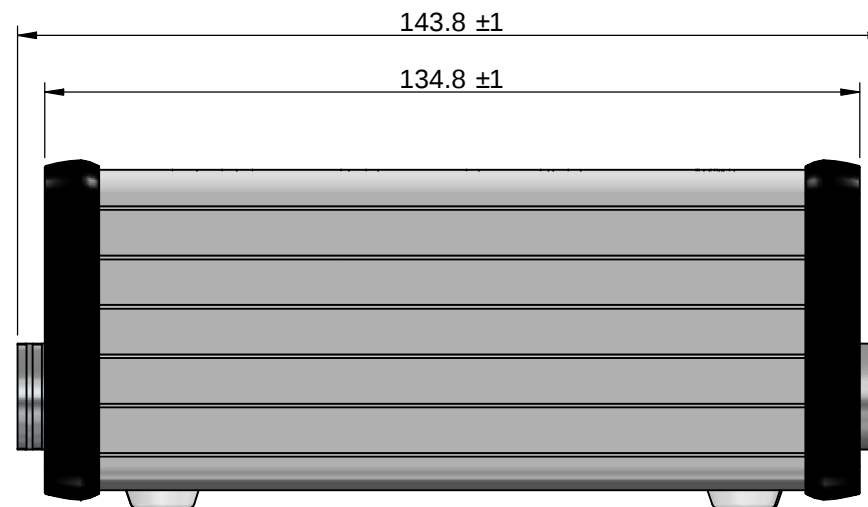
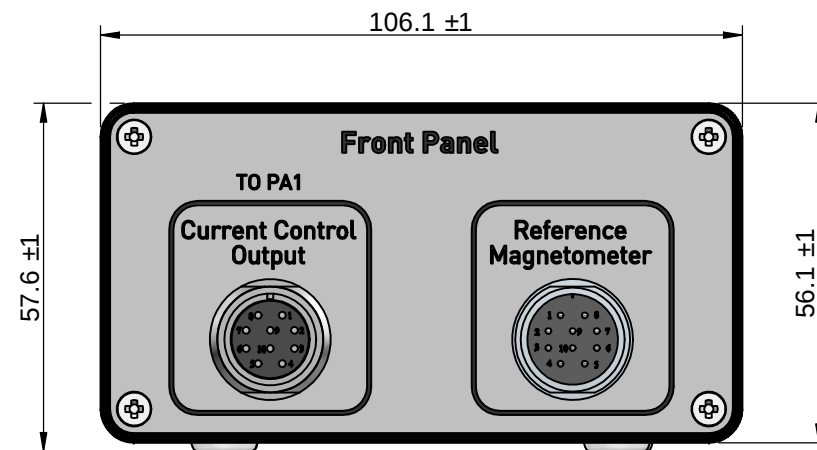
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Revisions: "Auxiliary" pins 8, 9 & 10 changed from N/C to GND

Project Information:

- Project: D1606
- Sheet: 1/3
- Date: 06/10/2016
- Modified by: Lewis O'Neil
- Date: 21/05/2019
- Approved by: Daniel Cetnik
- Date: 21/05/2019
- Drawing No.: DR3999
- Issue: 5
- DCN No.: 1499

	Current Control Input	Auxiliary	Current Control Output	Reference Magnetometer
Pin	RM15TRD-10S	RM15TRD-10P	RM15TRD-10S	RM15TRD-10P
1	X_CUin+	X_REFin	X_PA+	Detect C
2	Y_CUin+	Y_REFin	Y_PA+	Detect Z
3	Z_CUin+	Z_REFin	Z_PA+	Detect Y
4	N/C	Power GND	N/C	Detect X
5	N/C	Signal GND	N/C	Excitation C
6	N/C	+15V	N/C	Excitation Z
7	N/C	-15V	N/C	Excitation Y
8	X_CUin-	Signal GND	X_PA-	Excitation X
9	Y_CUin-	Signal GND	Y_PA-	N/C
10	Z_CUin-	Signal GND	Z_PA-	N/C



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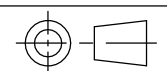
	Title
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CU2 Electronics Outline Drawing

Revisions

"Auxiliary" pins 8, 9 & 10 changed from N/C to GND

Third Angle
Projection



Project

D1606

Dimensions in mm

Size A3	
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Sheet 1/3

Created by	
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Nicholas Avery

06/10/2016	
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Modified by	
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Lewis O'Neil

21/05/2019

Approved by	
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Daniel Cetnik

21/05/2019

	Drawing No.
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Issue

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DR3999

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