

	CUSTOMER	CUSTOMER CODE	PART DESCRIPTION HALL EFFECT CURRENT TRANSDUCER OPEN LOOP HCT 200A (V. Output)		
	INTERNAL CODE HCT-BP2	DATE 23/08/10	EDITION 1	DOCUMENT NAME HCT-BP2_1.doc	PAGE 1/6

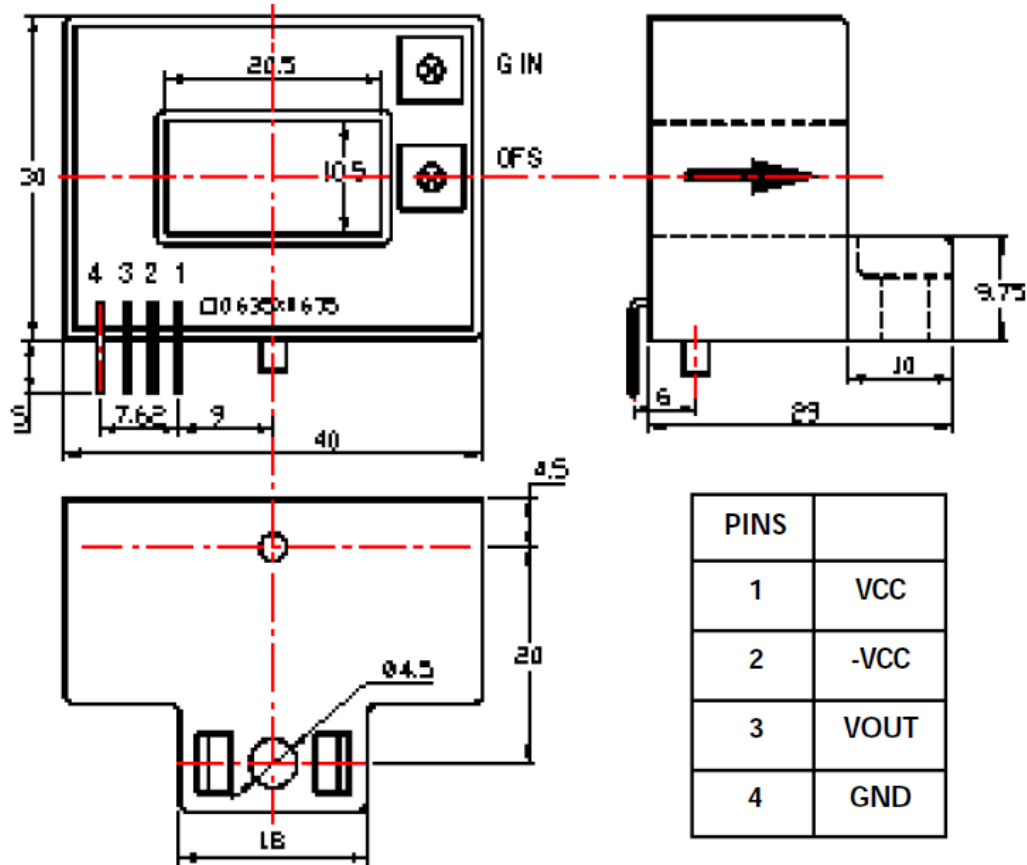
HALL EFFECT CURRENT TRANSDUCER 200A OPEN LOOP VOLTAGE OUTPUT

NOTES

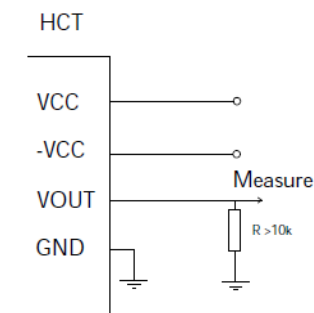


	CUSTOMER	CUSTOMER CODE	PART DESCRIPTION HALL EFFECT CURRENT TRANSDUCER OPEN LOOP HCT 200A (V. Output)		
	INTERNAL CODE HCT-BP2	DATE 23/08/10	EDITION 1	DOCUMENT NAME HCT-BP2_1.doc	PAGE 2/6

1.- DIMENSIONS AND PINS CONFIGURATION



RECOMMENDATION FOR CONNECTION



All dimensions are in mm.

General Tolerance ± 0.5 mm.

All dimensions and mechanical fixations are subjected to change depending on the customer necessities and PREMO Transducer Development.

NOTES

All rights reserved. Passing on of this document, use and communication of contents not permitted without written authorisation.

	CUSTOMER	CUSTOMER CODE	PART DESCRIPTION HALL EFFECT CURRENT TRANSDUCER OPEN LOOP HCT 200A (V. Output)		
	INTERNAL CODE HCT-BP2	DATE 23/08/10	EDITION 1	DOCUMENT NAME HCT-BP2_1.doc	PAGE 3/6

2.- ELECTRICAL PARAMETERS

Primary Nominal Current	200 A RMS	I_{pn}
Measuring Range $\pm 18 V_{in}$	± 600 A DC	I_p
Secondary Nominal Voltage	4 V $\pm 1\%$ RMS	V_s
Supply Voltage ($\pm 5\%$)	± 15 V	V_{cc}
Current Consumption	12 mA ($V_{cc} = \pm 15$ V)	I_{cc}

3.- ACCURACY

Accuracy at I_p $T = 25\text{ }^\circ\text{C}$	$< \pm 1\%$	a
Linear Error (2 to I_{pn})	$< 1\%$	e_{LLR}
Offset Voltage	± 25 mV Max	I_{os}
Offset Voltage Drift	± 0.5 mV/ $^\circ\text{C}$	K_{Ios}
Time Response (10% to 90% of I_p) Related to di/dt Specified	< 3 μs	T_R

- * Electrical Parameters and frequency response to be checked with samples.

4.- OUTPUT CONNECTOR

Connection	PTH	
------------	-----	--

5.- GENERAL DATA

Operating Temperature	-40 to +85 $^\circ\text{C}$	T_A
Storage Temperature	-55 to +125 $^\circ\text{C}$	T_s
Weight	65 g	
Basic Insulation (Between Primary and Measurement Current)	2500 V AC 50Hz 1'	V_i

6.- EDITION CONTROL

Edition	Date	Change description	Made by
1st	23/08/10	First Edition	Marta Escolar

NOTES

All rights reserved. Passing on of this document, use and communication of contents not permitted without written authorisation.

	CUSTOMER	CUSTOMER CODE	PART DESCRIPTION HALL EFFECT CURRENT TRANSDUCER OPEN LOOP HCT 200A (V. Output)		
	INTERNAL CODE HCT-BP2	DATE 23/08/10	EDITION 1	DOCUMENT NAME HCT-BP2_1.doc	PAGE 4/6

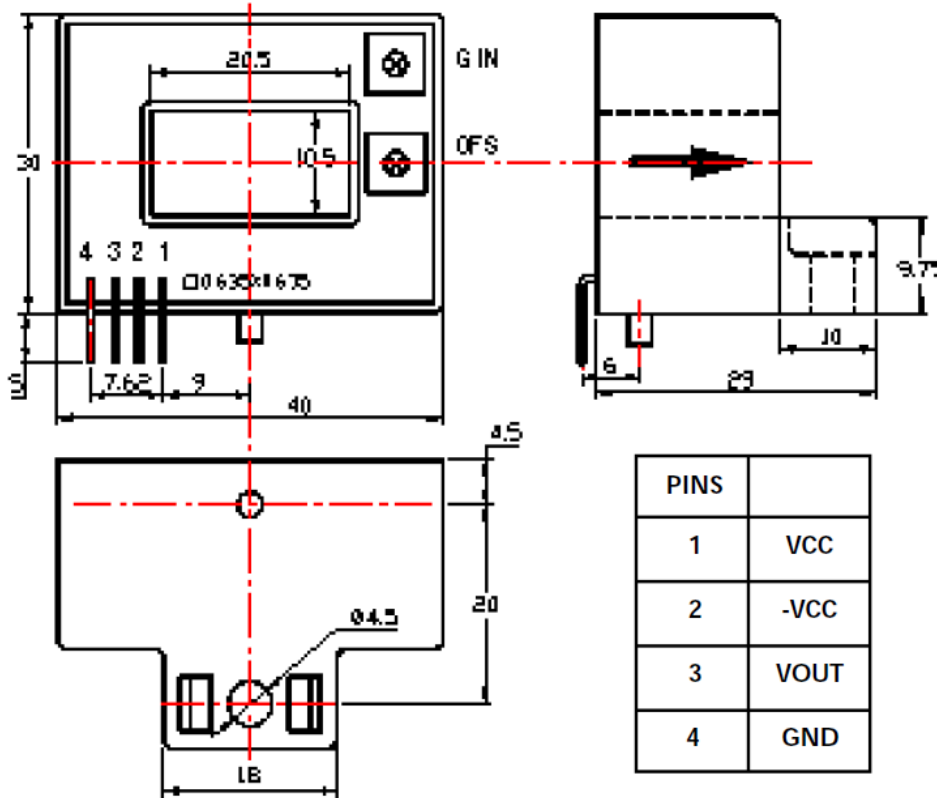
HALL EFFECT CURRENT TRANSDUCER 600A OPEN LOOP VOLTAGE OUTPUT

NOTES

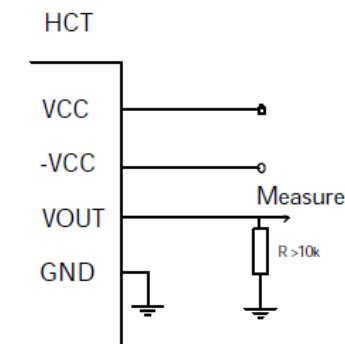


	CUSTOMER	CUSTOMER CODE	PART DESCRIPTION HALL EFFECT CURRENT TRANSDUCER OPEN LOOP HCT 200A (V. Output)		
	INTERNAL CODE HCT-BP2	DATE 23/08/10	EDITION 1	DOCUMENT NAME HCT-BP2_1.doc	PAGE 5/6

1.- DIMENSIONS AND PINS CONFIGURATION



CONNECTION RECOMMENDED



All dimensions are in mm.

General Tolerance ± 0.5 mm

All dimensions and mechanical fixations are subjected to change depending on the customer necessities and PREMO Transducer Development.

NOTES

All rights reserved. Passing on of this document, use and communication of contents not permitted without written authorisation.

	CUSTOMER	CUSTOMER CODE	PART DESCRIPTION HALL EFFECT CURRENT TRANSDUCER OPEN LOOP HCT 200A (V. Output)		
	INTERNAL CODE HCT-BP2	DATE 23/08/10	EDITION 1	DOCUMENT NAME HCT-BP2_1.doc	PAGE 6/6

2.- ELECTRICAL PARAMETERS

Primary Nominal Current	600 A RMS	I_{pn}
Measuring Range	± 1000 A DC	I_p
Secondary Nominal Voltage	4 V $\pm 1\%$ RMS	V_s
Supply Voltage ($\pm 5\%$)	± 15 V	V_{cc}
Current Consumption	12 mA ($V_{cc} = \pm 15$ V)	I_{cc}

3.- ACCURACY

Accuracy at I_p $T = 25\text{ }^\circ\text{C}$	$< +1\%$	a
Linear Error (2 to I_{pn})	$< 1\%$	e_{LLR}
Offset Voltage	± 25 mV Max	V_{os}
Offset Voltage Drift	± 0.5 mV/ $^\circ\text{C}$	KV_{os}
Time Response (10% to 90% of I_p) Related to di/dt Specified	< 3 μs	T_R
Bandwidth	20 kHz	BW

- * Electrical Parameters and frequency response to be checked with samples.

4.- OUTPUT CONNECTOR

Connection	PTH	
------------	-----	--

5.- GENERAL DATA

Operating Temperature	-40 to +85 $^\circ\text{C}$	T_A
Storage Temperature	-55 to +125 $^\circ\text{C}$	T_s
Weight	65 g	
Basic Insulation (Between Primary and Measurement Current)	2500 V AC 50Hz 1'	V_i

6.- EDITION CONTROL

Edition	Date	Change description	Made by
1st	23/08/10	First Edition	Marta Escolar

NOTES

All rights reserved. Passing on of this document, use and communication of contents not permitted without written authorisation.

