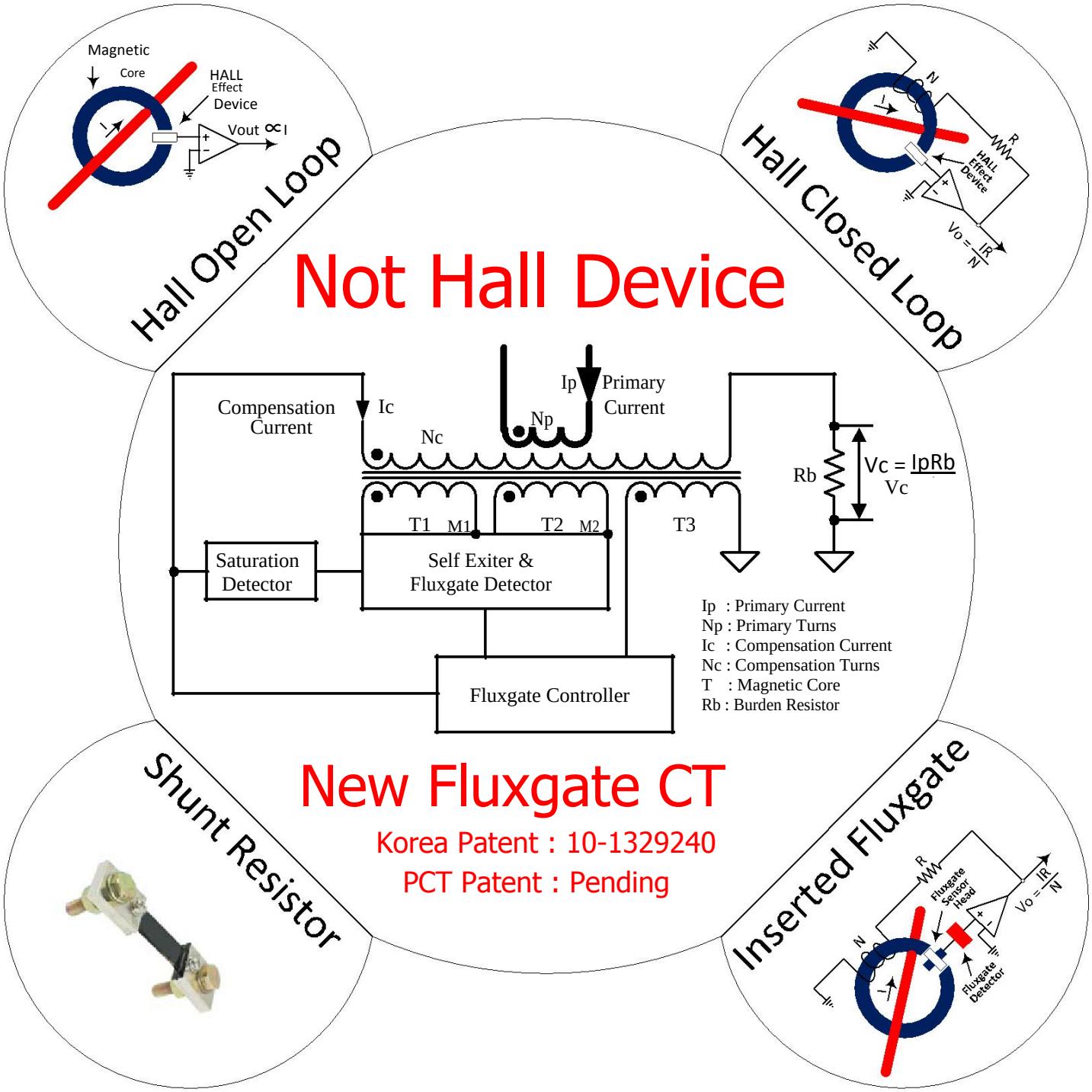
Why is the Current Sensor NFCT ?

(NFCT : New Fluxgate Current Transducer)

The NFCT is exactly what you need !

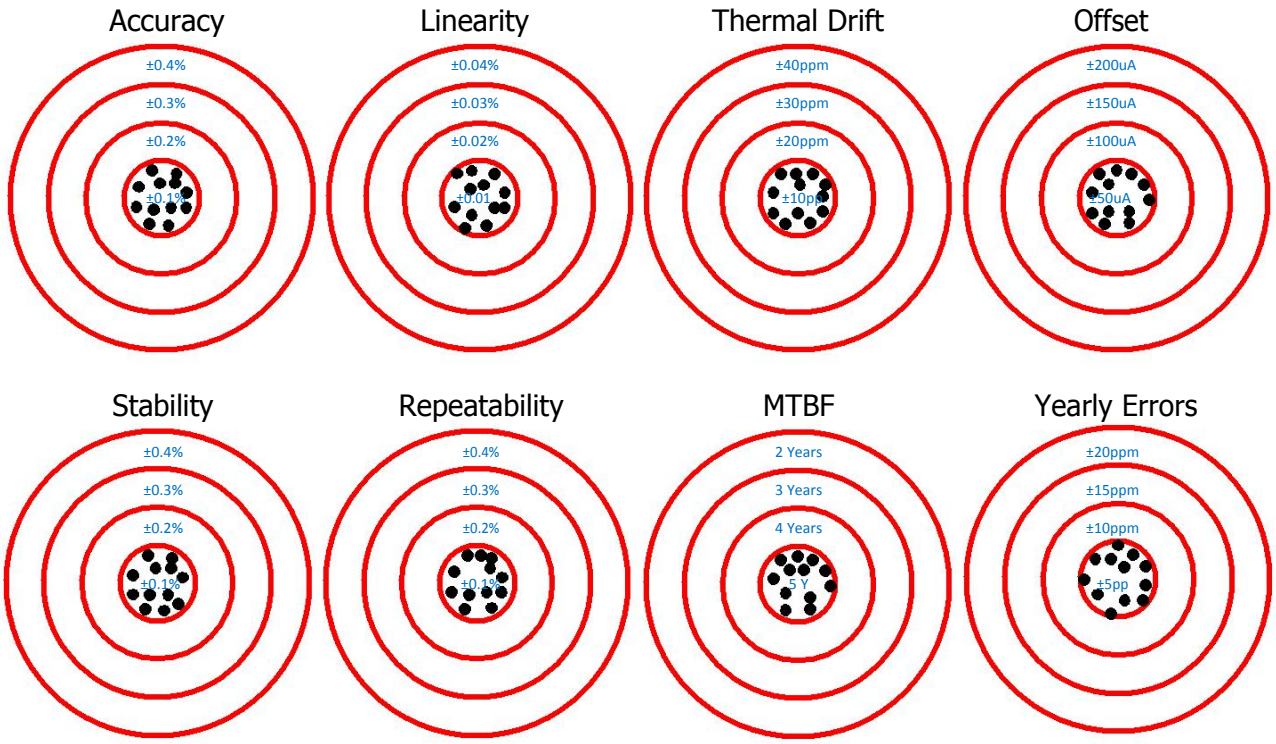


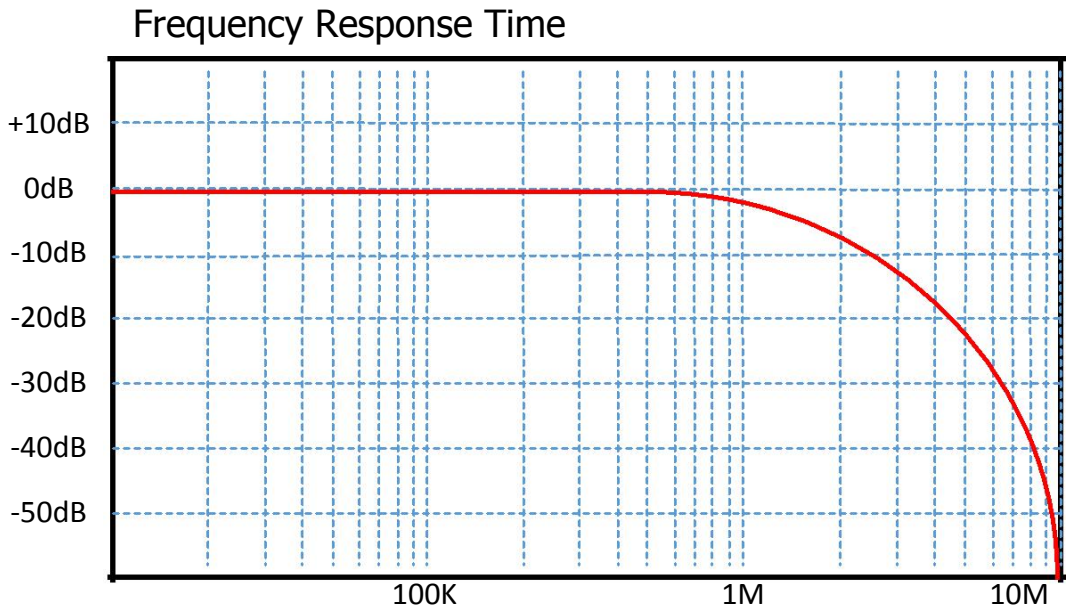
RARA Electronics Corporation

Head Office: 인천광역시 남동구 고잔동 666-19 (남동공단 100B-11L)

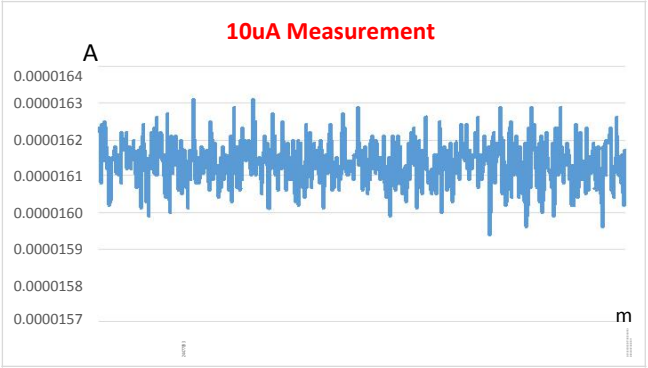
Tel: 032-817-4325 Fax: 032-817-4329 E-mail: sales1@raraohm.com http://www.rara.co.kr

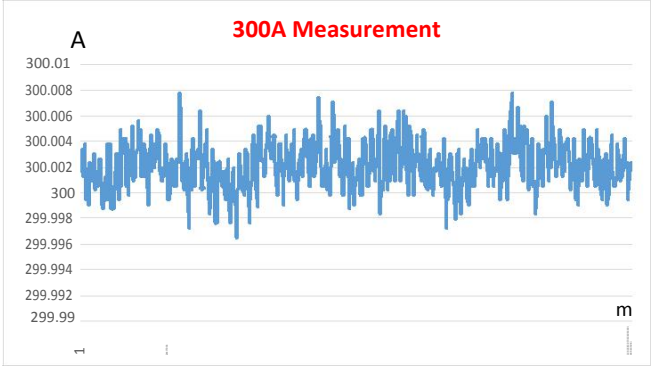
1. New Fluxgate 전류센서 특성





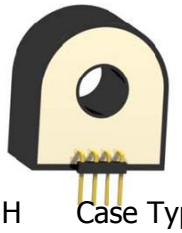
2. Real Measurement Data



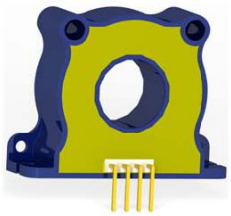


3. Product Families

Case Type : H



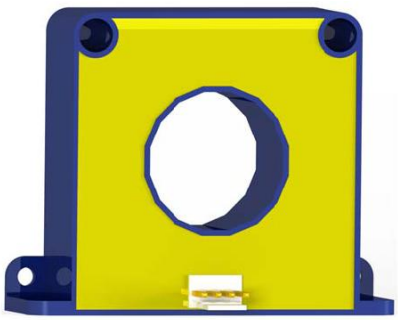
Case Type : A



Case Type : B

Case Type : D

Case Type : I

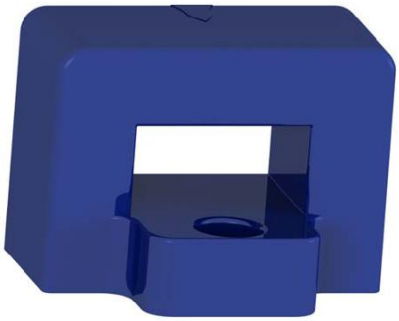


Case Type : J

300A

Case Type : K

300A



Case Type : E

Case Type : C

300A

Case Type : F

Case Type : G

4. Products List

Products Code: NF 300A U12 D Y 4KTO B I

Current Capacity
0A01 : 10mA
0A02 : 20mA
0A30 : 300mA
05A0 : 5A
10A0 : 10A
25A0 : 25A
120A : 120A
300A : 300A
500A : 500A
1KA0 : 1000A
2KA0 : 2000A
2KA5 : 2500A
5KA0 : 5000A
100K : 100KA

Input Power
U05 : + 5V
B05 : ± 5V
U12 : + 12V
U15 : + 15V
B15 : ± 15V
U24 : + 24V
B24 : ± 24V

Case Type
A : 100A, 8mm
B : 150A, 10mm
C : Clamp, 15mm
D : 300A, 24mm
E : 400A, 10x20mm
F : 500A, 32mm
G : 1000A, 42mm
H : 50A, 13x16x19
I : 300A, 24mm
J : 300A, 24mm
K : 300A, 24mm

Connector Type
M : Molex 5045
N : Molex 53259
P : PCB Pin
Y : Yeon Ho

Turn Number
100T : 100Turn
250T : 250Turn
300T : 300Turn
500T : 500Turn
1KT0 : 1000Turn
1KT5 : 1500Turn
2KT0 : 2000Turn
2KT5 : 2500Turn
3KT0 : 3000Turn
4KT0 : 4000Turn

Tolerance
F : ± 1%
D : ± 0.5%
B : ± 0.1%
A : ± 0.05%
T : ± 0.01%

TEMP SPEC
C : Commercial
I : Industry
A : Automotive
M : Military

Current Product Families

NF0A30U05AP250TBI
NF0A30U05AY250TBI

NF05A0U05AP300TBI
NF05A0U05AY300TBI

NF25A0U05AP500TBI
NF25A0U05AY500TBI

NF55A0U05AP1KT0BI
NF55A0U05AY1KT0BI

NF100AU05AP1KT5BI
NF100AU05AY1KT5BI

NF50A0B15AP1K5TBI
NF50A0B15AY1K5TBI
NF50A0B15AM1K5TBI

NF50A0B15AP1K5TBI
NF50A0B15AY1K5TBI
NF50A0B15AM1K5TBI

NF300AU12DY4KT0BI
NF300AU12DM4KT0BI

NF300AU12DY4KT0BA
NF300AU12DM4KT0BA

NF300AU05DY2KT0BA
NF300AU05DM2KT0BA

NF300AU05DY2KT0BI
NF300AU05DM2KT0BI

NF50A0U05CY1KT0BI
NF50A0U05CM1KT0BI

5. Products Selection Guide

Nominal Primary Current (A r.m.s)	Power Supply		Case Type	Connection Type	Number Turn (T)	Measuring range (A)	Measuring Resistor (Ω)	Secondary current (A)	Secondary Resistor (Ω)	Offset Current (A)	Bandwidth (KHz)	Accuracy (%)	Linearity (%)	TempOperating (°C)
	+Vdc	-Vdc												
0.3	+9~+18	-9~-18	A	M Y P	250	1	2K	0.0012	≤25	≤80	100 ~ 500	F D B A T	F D B A T	C I A M
	+5	-5					225							
5	+9~+18	-9~-18			300	10	300	0.0167	≤30					
	+5	-5					30							
10	+9~+18	-9~-18			500	20	240	0.02	≤35					
	+5	-5					15							
25	+9~+18	-9~-18			500	40	140	0.05	≤35					
	+5	-5					5							
55	+9~+18	-9~-18			1000	70	150	0.055	≤45					
	+5	-5					5							
120	+9~+18	-9~-18			1500	150	20	0.08	≤120					
	+5	-5					3							
150	+9~+18	-9~-18	B	M Y	2000	200A	40	0.075	≤100					
	+5	-5					5							
300	+9~+18	-9~-18	D	M Y	2000	450	30	0.15	≤15					
	+5	-5					2.5							
500	+15~+18	-15~-18	F	M,Y	2000	650	5	0.25	≤28					
1000	+15~+18	-15~-18	G	M,Y	2000	1200	2	0.5	≤21					
2000	+15~+18	-15~-18	H	M,Y	4000	2400	2	0.5	≤50					
5000	+15~+24	-15~-24	I	N	Configure to order									
10000	+15~+24	-15~-24	J	N										
100	+9~+18	-9~-18	C	Y	1000	150	5	0.1	≤35	≤80	100 ~ 500	F D B A T	F D B A T	C I A M
	+5	-5				110	1.2							
300	+9~+18	-9~-18	E	M,Y	1000	450	30	0.3	≤15					
	+5	-5				300	2.5							
300	+9~+18	-9~-18	K	M,Y	1000	400	30	0.3	≤20					
	+5	-5				300	2.5							
0.5	+9~+18	-9~-18	H	P	250	1	2K	0.002	≤25					
	+5	-5					225							
10	+9~+18	-9~-18			500	20	240	0.02	≤35					
	+5	-5					15							
25	+9~+18	-9~-18			500	40	140	0.05	≤35					
	+5	-5					5							
50	+9~+18	-9~-18			1000	70	150	0.05	≤45					
	+5	-5					5							