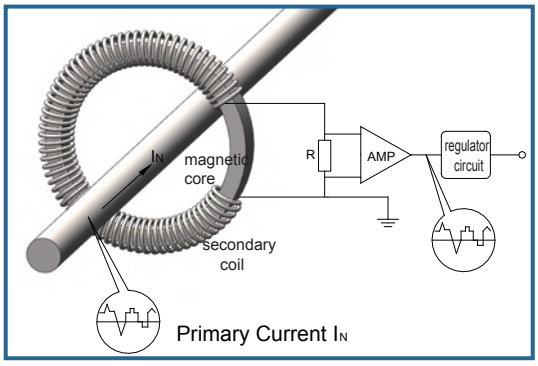
AC Current Transducer

Work Principle

When the measured current In pass through the conductor, a magnetic field will be produced around the conductor which is in proportion to the current. The secondary coil will measure this magnetic field and the output voltage VH will be in proportion to the measured current In. Through electronic circuit amplification and deforming, and calibrate the output voltage to the required standard signal Vm, then it will reflect the effective value of primary current accurately.



Common Parameters

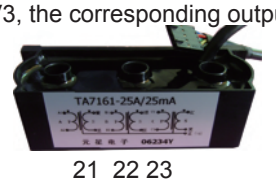
- Responding time: <350mS
- Linearity:0.5%
- No measuring insertion loss
- Measure AC current, output standard DC signal
- The primary current and secondary output signal are highly isolated.
- Low power consumption, single power supply is ok, and the power supply range is wide.

AC Current Transducer(three phase)

Part No.	Norminal Current IN (A)	Measuring Range IP (A)	Rated Output	Supply Voltage Vc (V)	Frequency (HZ)	Accuracy Ta= 25°C (%)	Opearting Temperature Ta (°C)	Isolation Voltage Vi (KV)	Responding Time (ms)	Window (mm)	Connection Figure NO.	Profile NO.
HAT-3X2P1/#	2	2.4	#	±12...15	50(400)	0.5	-25...+85	2.5	< 350	3XØ10	11	21
HAT-3X5P1/#	5	6	#	±12...15	50(400)	0.5	-25...+85	2.5	< 350	3XØ10	11	21
HAT-3X10P1/#	10	12	#	±12...15	50(400)	0.5	-25...+85	2.5	< 350	3XØ10	11	21
HAT-3X25P1/#	25	30	#	±12...15	50(400)	0.5	-25...+85	2.5	< 350	3XØ10	11	21
HAT-3X50P1/#	50	60	#	±12...15	50(400)	0.5	-25...+85	2.5	< 350	3XØ10	11	21
HAT-3X25P2/#	25	30	#	±12...15	50(400)	0.5	-25...+85	2.5	< 350	3XØ20	11	22
HAT-3X50P2/#	50	60	#	±12...15	50(400)	0.5	-25...+85	2.5	< 350	3XØ20	11	22
HAT-3X100P2/#	100	120	#	±12...15	50(400)	0.5	-25...+85	2.5	< 350	3XØ20	11	22
HAT-3X25P3/#	25	30	#	±12...15	50(400)	0.5	-25...+85	2.5	< 350	3XØ20	11	23
HAT-3X50P3/#	50	60	#	±12...15	50(400)	0.5	-25...+85	2.5	< 350	3XØ20	11	23
HAT-3X100P3/#	100	120	#	±12...15	50(400)	0.5	-25...+85	2.5	< 350	3XØ20	11	23
HAT-3X150P3/#	150	180	#	±12...15	50(400)	0.5	-25...+85	2.5	< 350	3XØ20	11	23
HAT-3X2P4/#	2	2.4	#	±12...15	50(400)	0.5	-25...+85	2.5	< 350	3XØ15	11	24
HAT-3X5P4/#	5	6	#	±12...15	50(400)	0.5	-25...+85	2.5	< 350	3XØ15	11	24
HAT-3X10P4/#	10	12	#	±12...15	50(400)	0.5	-25...+85	2.5	< 350	3XØ15	11	24
HAT-3X25P4/#	25	30	#	±12...15	50(400)	0.5	-25...+85	2.5	< 350	3XØ15	11	24
HAT-3X50P4/#	50	60	#	±12...15	50(400)	0.5	-25...+85	2.5	< 350	3XØ15	11	24
HAT-3X100P4/#	100	120	#	±12...15	50(400)	0.5	-25...+85	2.5	< 350	3XØ15	11	24
HAT-3X150P4/#	150	180	#	±12...15	50(400)	0.5	-25...+85	2.5	< 350	3XØ15	11	24
HAT-3X25P5/#	25	30	#	±12...15	50(400)	0.5	-25...+85	2.5	< 350	3XØ20	11	25

is rated output, there are six kinds, A0, A1, V0, V1, V2, V3, the corresponding output value is as below chart.

#	A0	A1	V0	V1	V2	V3
Output	0-20mA	4-20mA	0-5V	1-5V	0-10V	1-10V



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AC Current Transducer(Three Phase)

Part No.	Norminal Curren I_N (A)	Measuring Range I_P (A)	Rated Output	Supply Voltage V_C (V)	Frequency (HZ)	Accuracy Ta= 25°C (%)	Opearting Temperature Ta (°C)	Isolation Voltage Vi (KV)	Responding Time (ms)	Window (mm)	Connection Figure NO.	Profile NO.
HAT-3X50P5/#	50	60	#	±12...15	50(400)	0.5	-25...+85	2.5	< 350	3XØ20	11	25
HAT-3X100P5/#	100	120	#	±12...15	50(400)	0.5	-25...+85	2.5	< 350	3XØ20	11	25
HAT-3X150P5/#	150	180	#	±12...15	50(400)	0.5	-25...+85	2.5	< 350	3XØ20	11	25
HAT-3X200P5/#	200	240	#	±12...15	50(400)	0.5	-25...+85	2.5	< 350	3XØ20	11	25

AC Current Transducer(Guideway)

Part No.	Norminal Curren I_N (A)	Measuring Range I_P (A)	Rated Output	Supply Voltage V_C (V)	Frequency (HZ)	Accuracy Ta= 25°C (%)	Opearting Temperature Ta (°C)	Isolation Voltage Vi (KV)	Responding Time (ms)	Window (mm)	Connection Figure NO.	Profile NO.
HAT-5E3/#	5	6	#	±12	50(400)	0.5	-25...+85	2.5	< 350	Ø12	7/12	53
HAT-10E3/#	10	12	#	±12	50(400)	0.5	-25...+85	2.5	< 350	Ø12	7/12	53
HAT-20E3/#	20	±12	#	±12	50(400)	0.5	-25...+85	2.5	< 350	Ø12	7/12	53
HAT-50E3/#	50	60	#	±12	50(400)	0.5	-25...+85	2.5	< 350	Ø12	7/12	53
HAT-100E3/#	100	120	#	±12	50(400)	0.5	-25...+85	2.5	< 350	Ø12	7/12	53
HAT-200E3/#	200	±120	#	±12	50(400)	0.5	-25...+85	2.5	< 350	Ø12	7/12	53
HAT-20E4/#	20	±12	#	±12	50(400)	0.5	-25...+85	2.5	< 350	Ø20	7/12	54
HAT-50E4/#	50	60	#	±12	50(400)	0.5	-25...+85	3	< 350	Ø20	7/12	54
HAT-100E4/#	100	120	#	±12	50(400)	0.5	-25...+85	3	< 350	Ø20	7/12	54
HAT-200E4/#	200	±120	#	±12	50(400)	0.5	-25...+85	3	< 350	Ø20	7/12	54
HAT-300E4/#	300	360	#	±12	50(400)	0.5	-25...+85	3	< 350	Ø20	7/12	54
HAT-400E4/#	400	480	#	±12	50(400)	0.5	-25...+85	3	< 350	Ø20	7/12	54
HAT-100E7/#	100	120	#	±12	50(400)	0.5	-25...+85	6	< 350	Ø30	7/12	55
HAT-200E7/#	200	±120	#	±12	50(400)	0.5	-25...+85	6	< 350	Ø30	7/12	55
HAT-300E7/#	300	360	#	±12	50(400)	0.5	-25...+85	6	< 350	Ø30	7/12	55
HAT-500E7/#	500	600	#	±12	50(400)	0.5	-25...+85	6	< 350	Ø30	7/12	55
HAT-600E7/#	600	720	#	±12	50(400)	0.5	-25...+85	6	< 350	Ø30	7/12	55
HAT-800E7/#	800	960	#	±12	50(400)	0.5	-25...+85	6	< 350	Ø30	7/12	55

(1)#is rated output, there are six kinds, A0, A1, V0, V1, V2, V3, the corresponding output value is as below chart.

(2) Both double power supply (±12V...±18V) and single power supply (+12V...+24V) are ok for the product. Add S in the part No. to represent single power supply pattern. For example, HAT-50E3S/A0, which means the product shape is E3, rated input is 0~50A, rated output is 0~20mA, with single power supply +12…24V.

#符号	A0	A1	V0	V1	V2	V3
输出值	0-20mA	4-20mA	0-5V	1-5V	0-10V	1-10V

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AC Current Transducer(C Shape Case)

Part No.	Norminal Current I_N (A)	Measuring Range I_P (A)	Rated Output	Supply Voltage V_C (V)	Frequency (HZ)	Accuracy Ta=25°C (%)	Opearting Temperature Ta (°C)	Isolation Voltage Vi (KV)	Responding Time (ms)	Window (mm)	Connection Figure NO.	Profile NO.
HAT-10C4/#	10	12	#	±12	50(400)	0.5	-25...+85	2.5	< 350	Ø15	7/12	9
HAT-50C4/#	50	60	#	±12	50(400)	0.5	-25...+85	2.5	< 350	Ø15	7/12	9
HAT-100C4/#	100	120	#	±12	50(400)	0.5	-25...+85	2.5	< 350	Ø15	7/12	9
HAT-200C4/#	200	240	#	±12	50(400)	0.5	-25...+85	2.5	< 350	Ø15	7/12	9
HAT-20C/#	20	24	#	±12	50(400)	0.5	-25...+85	2.5	< 350	Ø20	7/12	10
HAT-50C/#	50	60	#	±12	50(400)	0.5	-25...+85	2.5	< 350	Ø20	7/12	10
HAT-100C/#	100	120	#	±12	50(400)	0.5	-25...+85	2.5	< 350	Ø20	7/12	10
HAT-200C/#	200	240	#	±12	50(400)	0.5	-25...+85	2.5	< 350	Ø20	7/12	10
HAT-300C/#	300	360	#	±12	50(400)	0.5	-25...+85	2.5	< 350	Ø20	7/12	10
HAT-50C5/#	50	60	#	±12	50(400)	0.5	-25...+85	3	< 350	Ø25	7/12	11
HAT-100C5/#	100	120	#	±12	50(400)	0.5	-25...+85	3	< 350	Ø25	7/12	11
HAT-200C5/#	200	240	#	±12	50(400)	0.5	-25...+85	3	< 350	Ø25	7/12	11
HAT-400C5/#	400	480	#	±12	50(400)	0.5	-25...+85	3	< 350	Ø25	7/12	11
HAT-100C7/#	100	120	#	±12	50(400)	0.5	-25...+85	5	< 350	Ø35	7/12	13
HAT-200C7/#	200	240	#	±12	50(400)	0.5	-25...+85	5	< 350	Ø35	7/12	13
HAT-300C7/#	300	360	#	±12	50(400)	0.5	-25...+85	5	< 350	Ø35	7/12	13
HAT-500C7/#	500	600	#	±12	50(400)	0.5	-25...+85	5	< 350	Ø35	7/12	13
HAT-200C8/#	200	240	#	±12	50(400)	0.5	-25...+85	6	< 350	Ø45	7/12	14
HAT-400C8/#	400	480	#	±12	50(400)	0.5	-25...+85	6	< 350	Ø45	7/12	14
HAT-600C8/#	600	720	#	±12	50(400)	0.5	-25...+85	6	< 350	Ø45	7/12	14
HAT-800C8/#	800	960	#	±12	50(400)	0.5	-25...+85	6	< 350	Ø45	7/12	14
HAT-1000C10/#	1000	1200	#	±12	50(400)	0.5	-25...+85	6	< 350	Ø55	7/12	16
HAT-1500C10/#	1500	1800	#	±12	50(400)	0.5	-25...+85	6	< 350	Ø55	7/12	16
HAT-2000C10/#	2000	2400	#	±12	50(400)	0.5	-25...+85	6	< 350	Ø55	7/12	16
HAT-1000C11/#	1000	1200	#	±12	50(400)	0.5	-25...+85	6	< 350	Ø72	7/12	17
HAT-2000C10/#	2000	2400	#	±12	50(400)	0.5	-25...+85	6	< 350	Ø72	7/12	14
HAT-3000C10/#	3000	3600	#	±12	50(400)	0.5	-25...+85	6	< 350	Ø72	7/12	16

(1)# is rated output, there are six kinds A0, A1, V0, V1, V2, V3, the corresponding output value is as below chart.

(2) Both double power supply (±12V...±18V) and single power supply (+12V...+24V) are ok for the product. Add S in the part No. to represent single power supply pattern. For example, HAT-50E3S/A0, which means the product shape is E3, rated input is 0~50A, rated output is 0~20mA, with single power supply +12…24V.

#	A0	A1	V0	V1	V2	V3
Output	0-20mA	4-20mA	0-5V	1-5V	0-10V	1-10V

9 11 12 14 16

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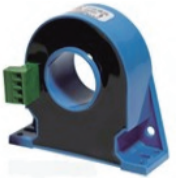

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AC Current Transducer(open-close structure)

Part No.	Norminal Current I_N (A)	Measuring Range I_P (A)	Rated Output	Supply Voltage V_C (V)	Frequency (HZ)	Accuracy Ta= 25°C (%)	Opearting Temperature Ta (°C)	Isolation Voltage Vi (KV)	Responding Time (ms)	Window (mm)	Connection Figure NO.	Profile NO.
HAT-50Q1/#	50	60	#	±12	50(400)	1.0	-25...+85	2.5	< 350	Ø21	7/12	40
HAT-100Q1/#	100	120	#	±12	50(400)	1.0	-25...+85	2.5	< 350	Ø21	7/12	40
HAT-300Q1/#	300	360	#	±12	50(400)	1.0	-25...+85	2.5	< 350	Ø21	7/12	40
HAT-500Q1/#	500	600	#	±12	50(400)	1.0	-25...+85	2.5	< 350	Ø21	7/12	40
HAT-200Q11/#	200	240	#	±12	50(400)	1.0	-25...+85	5	< 350	Ø35	7/12	41
HAT-500Q11/#	500	600	#	±12	50(400)	1.0	-25...+85	5	< 350	Ø35	7/12	41
HAT-800Q11/#	800	960	#	±12	50(400)	1.0	-25...+85	5	< 350	Ø35	7/12	41
HAT-1000Q11/#	1000	1200	#	±12	50(400)	1.0	-25...+85	5	< 350	Ø35	7/12	41
HAT-50Q2/#	50	60	#	±12	50(400)	1.0	-25...+85	5	< 350	Ø25	7/12	42
HAT-100Q2/#	100	120	#	±12	50(400)	1.0	-25...+85	5	< 350	Ø25	7/12	42
HAT-300Q2/#	300	360	#	±12	50(400)	1.0	-25...+85	5	< 350	Ø25	7/12	42
HAT-600Q2/#	600	720	#	±12	50(400)	1.0	-25...+85	5	< 350	Ø25	7/12	42
HAT-300Q3/#	300	360	#	±12	50(400)	1.0	-25...+85	6	< 350	Ø35	7/12	43
HAT-500Q3/#	500	600	#	±12	50(400)	1.0	-25...+85	6	< 350	Ø35	7/12	43
HAT-800Q3/#	800	960	#	±12	50(400)	1.0	-25...+85	6	< 350	Ø35	7/12	43
HAT-1000Q3/#	1000	1200	#	±12	50(400)	1.0	-25...+85	6	< 350	Ø50	7/12	44
HAT-500Q4/#	500	600	#	±12	50(400)	1.0	-25...+85	6	< 350	Ø50	7/12	44
HAT-800Q4/#	800	960	#	±12	50(400)	1.0	-25...+85	6	< 350	Ø50	7/12	44
HAT-1000Q4/#	1000	1200	#	±12	50(400)	1.0	-25...+85	6	< 350	Ø50	7/12	44
HAT-1500Q4/#	1500	1800	#	±12	50(400)	1.0	-25...+85	6	< 350	Ø50	7/12	44
HAT-50K1/#	50	75	#	±12	50(400)	1.0	-25...+85	3	< 350	42X15	7/12	45
HAT-100K1/#	100	150	#	±12	50(400)	1.0	-25...+85	3	< 350	42X15	7/12	45
HAT-200K1/#	200	300	#	±12	50(400)	1.0	-25...+85	3	< 350	42X15	7/12	45
HAT-400K1/#	400	600	#	±12	50(400)	1.0	-25...+85	3	< 350	42X15	7/12	45
HAT-600K1/#	600	900	#	±12	50(400)	1.0	-25...+85	3	< 350	42X15	7/12	45
HAT-200K2/#	200	300	#	±12	50(400)	1.0	-25...+85	5	< 350	64X16	7/12	46
HAT-400K2/#	400	600	#	±12	50(400)	1.0	-25...+85	5	< 350	64X16	7/12	46
HAT-800K2/#	800	1200	#	±12	50(400)	1.0	-25...+85	5	< 350	64X16	7/12	46
HAT-1000K2/#	1000	1500	#	±12	50(400)	1.0	-25...+85	5	< 350	64X16	7/12	46


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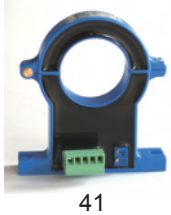
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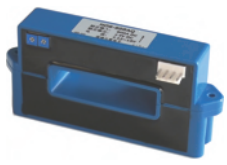
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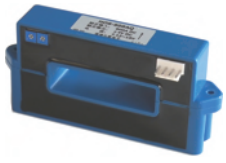
AC Current Transducer(open-close structure)

Part No.	Norminal Current I_N (A)	Measuring Range I_P (A)	Rated Output	Supply Voltage V_C (V)	Frequency (HZ)	Accuracy Ta= 25°C (%)	Opearting Temperature Ta (°C)	Isolation Voltage Vi (KV)	Responding Time (ms)	Window (mm)	Connection Figure NO.	Profile NO.
HAT-1000K3/#	1000	1500	#	±12	50(400)	1.0	-25...+85	5	< 350	84X22	7/12	47
HAT-2000K3/#	2000	3000	#	±12	50(400)	1.0	-25...+85	5	< 350	84X22	7/12	47
HAT-3000K3/#	3000	4500	#	±12	50(400)	1.0	-25...+85	5	< 350	84X22	7/12	47
HAT-1000K4/#	1000	1500	#	±12	50(400)	1.0	-25...+85	5	< 350	100X42	7/12	48
HAT-2000K4/#	2000	3000	#	±12	50(400)	1.0	-25...+85	5	< 350	100X42	7/12	48
HAT-3000K4/#	3000	4500	#	±12	50(400)	1.0	-25...+85	5	< 350	100X42	7/12	48
HAT-1000K5/#	1000	1500	#	±12	50(400)	1.0	-25...+85	6	< 350	122X22	7/12	49
HAT-2000K5/#	2000	3000	#	±12	50(400)	1.0	-25...+85	6	< 350	122X22	7/12	49
HAT-4000K5/#	4000	6000	#	±12	50(400)	1.0	-25...+85	6	< 350	122X22	7/12	49
HAT-2000K6/#	2000	3000	#	±12	50(400)	1.0	-25...+85	6	< 350	184X44	7/12	50
HAT-3000K6/#	3000	4500	#	±12	50(400)	1.0	-25...+85	6	< 350	184X44	7/12	50
HAT-5000K6/#	5000	7500	#	±12	50(400)	1.0	-25...+85	6	< 350	184X44	7/12	50
HAT-8000K6/#	8000	12000	#	±12	50(400)	1.0	-25...+85	6	< 350	184X44	7/12	50
HAT-10000K6/#	10000	15000	#	±12	50(400)	1.0	-25...+85	6	< 350	184X44	7/12	50

(1)# is rated output, there are six kinds, A0, A1, V0, V1, V2, V3, the corresponding output value is as below chart.

(2) Both double power supply (±12V...±18V) and single power supply (+12V...+24V) are ok for the product. Add S in the part No. to represent single power supply pattern. For example, HAT-50Q1S/A0, which means the product shape is Q1, rated input is 0~50A, rated output is 0~20mA, with single power supply +12…24V.

#	A0	A1	V0	V1	V2	V3
Output	0-20mA	4-20mA	0-5V	1-5V	0-10V	1-10V



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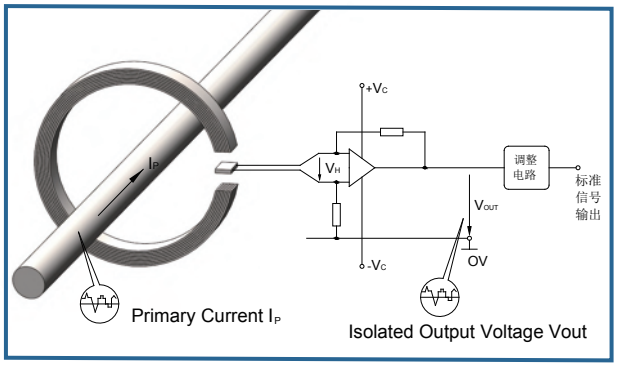
DC Current Transducer (Guideway)

Working Principle

The primary current will output a voltage signal via the inspection of hall unit, after the regulation of regulator circuit, the voltage signal will convert to industrial standard signal of DC 4~20mA, 0~5V, 0~10V and so on, in order to meet the interface input requirements of collecting devices like PLC, RTU, industrial control board etc..



Common Parameters

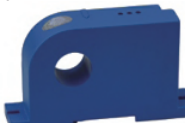
- Responding time: <350mS
- Linearity: 0.5%
- No measuring insertion loss
- Measure DC current, output standard DC signal
- The primary current and secondary output signal are highly isolated.
- Low power consumption, single power supply is ok, and the power supply range is wide.

Part No.	Norminal Current I_N (A)	Measuring Range I_P (A)	Rated Output	Supply Voltage Vc (V)	Frequency (HZ)	Accuracy Ta= 25°C (%)	Opearting Temperature Ta (°C)	Isolation Voltage Vi (KV)	Responding Time (ms)	Window (mm)	Connection Figure NO.	Profile NO.
HDT-5E3/#	5	6	#	±12	DC	1.0	-25...+85	2.5	< 350	Ø12	7/12	53
HDT-10E3/#	10	12	#	±12	DC	1.0	-25...+85	2.5	< 350	Ø12	7/12	53
HDT-20E3/#	20	±12	#	±12	DC	1.0	-25...+85	2.5	< 350	Ø12	7/12	53
HDT-50E3/#	50	60	#	±12	DC	1.0	-25...+85	2.5	< 350	Ø12	7/12	53
HDT-100E3/#	100	120	#	±12	DC	1.0	-25...+85	2.5	< 350	Ø12	7/12	53
HDT-200E3/#	200	±120	#	±12	DC	1.0	-25...+85	2.5	< 350	Ø12	7/12	53
HDT-20E4/#	20	±12	#	±12	DC	1.0	-25...+85	2.5	< 350	Ø20	7/12	54
HDT-50E4/#	50	60	#	±12	DC	1.0	-25...+85	3	< 350	Ø20	7/12	54
HDT-100E4/#	100	120	#	±12	DC	1.0	-25...+85	3	< 350	Ø20	7/12	54
HDT-200E4/#	200	±120	#	±12	DC	1.0	-25...+85	3	< 350	Ø20	7/12	54
HDT-300E4/#	300	360	#	±12	DC	1.0	-25...+85	3	< 350	Ø20	7/12	54
HDT-400E4/#	400	480	#	±12	DC	1.0	-25...+85	3	< 350	Ø20	7/12	54
HDT-100E7/#	100	120	#	±12	DC	1.0	-25...+85	6	< 350	Ø30	7/12	55
HDT-200E7/#	200	±120	#	±12	DC	1.0	-25...+85	6	< 350	Ø30	7/12	55
HDT-300E7/#	300	360	#	±12	DC	1.0	-25...+85	6	< 350	Ø30	7/12	55
HDT-500E7/#	500	600	#	±12	DC	1.0	-25...+85	6	< 350	Ø30	7/12	55
HDT-600E7/#	600	720	#	±12	DC	1.0	-25...+85	6	< 350	Ø30	7/12	55
HDT-800E7/#	800	960	#	±12	DC	1.0	-25...+85	6	< 350	Ø30	7/12	55

(1)#is rated output, there are six kinds, A0, A1, V0, V1, V2, V3, the corresponding output value is as below chart.

(2) Both double power supply (±12V...±18V) and single power supply (+12V...+24V) are ok for the product. Add S in the part No. to represent single power supply pattern. For example, HDT-50E3S/A0, which means the product shape is E3, rated input is 0~50A, rated output is 0~20mA, with single power supply +12…24V.

#	A0	A1	V0	V1	V2	V3
Output	0-20mA	4-20mA	0-5V	1-5V	0-10V	1-10V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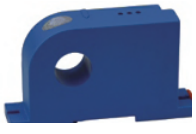
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DC Current Transducer (Type C shell)

Part No.	Norminal Current I_N (A)	Measuring Range I_P (A)	Rated Output	Supply Voltage Vc (V)	Frequency (HZ)	Accuracy Ta= 25°C (%)	Opearting Temperature Ta (°C)	Isolation Voltage Vi (KV)	Responding Time (ms)	Window (mm)	Connection Figure NO.	Profile NO.
HDT-10C4/#	10	12	#	±12	DC	0.5	-25...+85	2.5	< 350	Ø15	7/12	9
HDT-50C4/#	50	60	#	±12	DC	0.5	-25...+85	2.5	< 350	Ø15	7/12	9
HDT-100C4/#	100	120	#	±12	DC	0.5	-25...+85	2.5	< 350	Ø15	7/12	9
HDT-200C4/#	200	240	#	±12	DC	0.5	-25...+85	2.5	< 350	Ø15	7/12	9
HDT-20C/#	20	24	#	±12	DC	0.5	-25...+85	2.5	< 350	Ø20	7/12	10
HDT-50C/#	50	60	#	±12	DC	0.5	-25...+85	2.5	< 350	Ø20	7/12	10
HDT-100C/#	100	120	#	±12	DC	0.5	-25...+85	2.5	< 350	Ø20	7/12	10
HDT-200C/#	200	240	#	±12	DC	0.5	-25...+85	2.5	< 350	Ø20	7/12	10
HDT-300C/#	300	360	#	±12	DC	0.5	-25...+85	2.5	< 350	Ø20	7/12	10
HDT-50C5/#	50	60	#	±12	DC	0.5	-25...+85	3	< 350	Ø25	7/12	11
HDT-100C5/#	100	120	#	±12	DC	0.5	-25...+85	3	< 350	Ø25	7/12	11
HDT-200C5/#	200	240	#	±12	DC	0.5	-25...+85	3	< 350	Ø25	7/12	11
HDT-400C5/#	400	480	#	±12	DC	0.5	-25...+85	3	< 350	Ø25	7/12	11
HDT-100C7/#	100	120	#	±12	DC	0.5	-25...+85	5	< 350	Ø35	7/12	13
HDT-200C7/#	200	240	#	±12	DC	0.5	-25...+85	5	< 350	Ø35	7/12	13
HDT-300C7/#	300	360	#	±12	DC	0.5	-25...+85	5	< 350	Ø35	7/12	13
HDT-500C7/#	500	600	#	±12	DC	0.5	-25...+85	5	< 350	Ø35	7/12	13
HDT-200C8/#	200	240	#	±12	DC	0.5	-25...+85	6	< 350	Ø45	7/12	14
HDT-400C8/#	400	480	#	±12	DC	0.5	-25...+85	6	< 350	Ø45	7/12	14
HDT-600C8/#	600	720	#	±12	DC	0.5	-25...+85	6	< 350	Ø45	7/12	14
HDT-800C8/#	800	960	#	±12	DC	0.5	-25...+85	6	< 350	Ø45	7/12	14
HDT-1000C10/#	1000	1200	#	±12	DC	0.5	-25...+85	6	< 350	Ø55	7/12	16
HDT-1500C10/#	1500	1800	#	±12	DC	0.5	-25...+85	6	< 350	Ø55	7/12	16
HDT-2000C10/#	2000	2400	#	±12	DC	0.5	-25...+85	6	< 350	Ø55	7/12	16
HDT-1000C11/#	1000	1200	#	±12	DC	0.5	-25...+85	6	< 350	Ø72	7/12	17
HDT-2000C10/#	2000	2400	#	±12	DC	0.5	-25...+85	6	< 350	Ø72	7/12	14
HDT-3000C10/#	3000	3600	#	±12	DC	0.5	-25...+85	6	< 350	Ø72	7/12	16

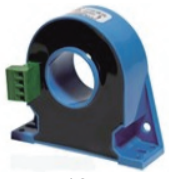
(1)#is rated output, there are six kinds, A0, A1, V0, V1, V2, V3, the corresponding output value is as below chart.

(2) Both double power supply (±12V...±18V) and single power supply (+12V...+24V) are ok for the product. Add S in the part No. to represent single power supply pattern. For example, HDT-50E3S/A0, which means the product shape is C, rated input is 0~50A, rated output is 0~20mA, with single power supply +12…24V.

#	A0	A1	V0	V1	V2	V3
Output	0-20mA	4-20mA	0-5V	1-5V	0-10V	1-10V

9 11 12 14 16

10



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DC Current Transducer (open-close structure)

Part No.	Norminal Current I_N (A)	Measuring Range I_P (A)	Rated Output	Supply Voltage V_C (V)	Frequency (HZ)	Accuracy Ta= 25°C (%)	Opearting Temperature Ta (°C)	Isolation Voltage Vi (KV)	Responding Time (ms)	Window (mm)	Connection Figure NO.	Profile NO.
HDT-50Q1/#	50	60	#	±12	DC	1.0	-25...+85	2.5	< 350	Ø21	7/12	40
HDT-100Q1/#	100	120	#	±12	DC	1.0	-25...+85	2.5	< 350	Ø21	7/12	40
HDT-300Q1/#	300	360	#	±12	DC	1.0	-25...+85	2.5	< 350	Ø21	7/12	40
HDT-500Q1/#	500	600	#	±12	DC	1.0	-25...+85	2.5	< 350	Ø21	7/12	40
HDT-200Q11/#	200	240	#	±12	DC	1.0	-25...+85	5	< 350	Ø35	7/12	41
HDT-500Q11/#	500	600	#	±12	DC	1.0	-25...+85	5	< 350	Ø35	7/12	41
HDT-800Q11/#	800	960	#	±12	DC	1.0	-25...+85	5	< 350	Ø35	7/12	41
HDT-1000Q11/#	1000	1200	#	±12	DC	1.0	-25...+85	5	< 350	Ø35	7/12	41
HDT-50Q2/#	50	60	#	±12	DC	1.0	-25...+85	5	< 350	Ø25	7/12	42
HDT-100Q2/#	100	120	#	±12	DC	1.0	-25...+85	5	< 350	Ø25	7/12	42
HDT-300Q2/#	300	360	#	±12	DC	1.0	-25...+85	5	< 350	Ø25	7/12	42
HDT-600Q2/#	600	720	#	±12	DC	1.0	-25...+85	5	< 350	Ø25	7/12	42
HDT-300Q3/#	300	360	#	±12	DC	1.0	-25...+85	6	< 350	Ø35	7/12	43
HDT-500Q3/#	500	600	#	±12	DC	1.0	-25...+85	6	< 350	Ø35	7/12	43
HDT-800Q3/#	800	960	#	±12	DC	1.0	-25...+85	6	< 350	Ø35	7/12	43
HDT-1000Q3/#	1000	1200	#	±12	DC	1.0	-25...+85	6	< 350	Ø50	7/12	44
HDT-500Q4/#	500	600	#	±12	DC	1.0	-25...+85	6	< 350	Ø50	7/12	44
HDT-800Q4/#	800	960	#	±12	DC	1.0	-25...+85	6	< 350	Ø50	7/12	44
HDT-1000Q4/#	1000	1200	#	±12	DC	1.0	-25...+85	6	< 350	Ø50	7/12	44
HDT-1500Q4/#	1500	1800	#	±12	DC	1.0	-25...+85	6	< 350	Ø50	7/12	44
HDT-50K1/#	50	75	#	±12	DC	1.0	-25...+85	3	< 350	42X15	7/12	45
HDT-100K1/#	100	150	#	±12	DC	1.0	-25...+85	3	< 350	42X15	7/12	45
HDT-200K1/#	200	300	#	±12	DC	1.0	-25...+85	3	< 350	42X15	7/12	45
HDT-400K1/#	400	600	#	±12	DC	1.0	-25...+85	3	< 350	42X15	7/12	45
HDT-600K1/#	600	900	#	±12	DC	1.0	-25...+85	3	< 350	42X15	7/12	45
HDT-200K2/#	200	300	#	±12	DC	1.0	-25...+85	5	< 350	64X16	7/12	46
HDT-400K2/#	400	600	#	±12	DC	1.0	-25...+85	5	< 350	64X16	7/12	46
HDT-800K2/#	800	1200	#	±12	DC	1.0	-25...+85	5	< 350	64X16	7/12	46
HDT-1000K2/#	1000	1500	#	±12	DC	1.0	-25...+85	5	< 350	64X16	7/12	46


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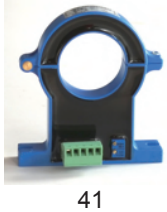
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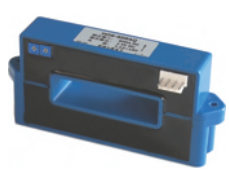
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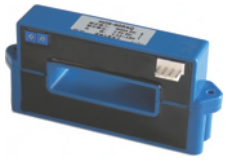
DC Current Transducer (open-close structure)

Part No.	Norminal Current I_N (A)	Measuring Range I_P (A)	Rated Output	Supply Voltage V_C (V)	Frequency (HZ)	Accuracy Ta= 25°C (%)	Opearting Temperature Ta (°C)	Isolation Voltage Vi (KV)	Responding Time (ms)	Window (mm)	Connection Figure NO.	Profile NO.
HDT-1000K3/#	1000	1500	#	±12	DC	1.0	-25...+85	5	< 350	84X22	7/12	47
HDT-2000K3/#	2000	3000	#	±12	DC	1.0	-25...+85	5	< 350	84X22	7/12	47
HDT-3000K3/#	3000	4500	#	±12	DC	1.0	-25...+85	5	< 350	84X22	7/12	47
HDT-1000K4/#	1000	1500	#	±12	DC	1.0	-25...+85	5	< 350	100X42	7/12	48
HDT-2000K4/#	2000	3000	#	±12	DC	1.0	-25...+85	5	< 350	100X42	7/12	48
HDT-3000K4/#	3000	4500	#	±12	DC	1.0	-25...+85	5	< 350	100X42	7/12	48
HDT-1000K5/#	1000	1500	#	±12	DC	1.0	-25...+85	6	< 350	122X22	7/12	49
HDT-2000K5/#	2000	3000	#	±12	DC	1.0	-25...+85	6	< 350	122X22	7/12	49
HDT-4000K5/#	4000	6000	#	±12	DC	1.0	-25...+85	6	< 350	122X22	7/12	49
HDT-2000K6/#	2000	3000	#	±12	DC	1.0	-25...+85	6	< 350	184X44	7/12	50
HDT-3000K6/#	3000	4500	#	±12	DC	1.0	-25...+85	6	< 350	184X44	7/12	50
HDT-5000K6/#	5000	7500	#	±12	DC	1.0	-25...+85	6	< 350	184X44	7/12	50
HDT-8000K6/#	8000	12000	#	±12	DC	1.0	-25...+85	6	< 350	184X44	7/12	50
HDT-10000K6/#	10000	15000	#	±12	DC	1.0	-25...+85	6	< 350	184X44	7/12	50

(1)#is rated output, there are six kinds, A0, A1, V0, V1, V2, V3, the corresponding output value is as below chart.

(2) Both double power supply (±12V...±18V) and single power supply (+12V...+24V) are ok for the product. Add S in the part No. to represent single power supply pattern. For example, HDT-50Q1S/A0, which means the product shape is Q1, rated input is 0~50A, rated output is 0~20mA, with single power supply +12…24V.

#	A0	A1	V0	V1	V2	V3
Output	0-20mA	4-20mA	0-5V	1-5V	0-10V	1-10V



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