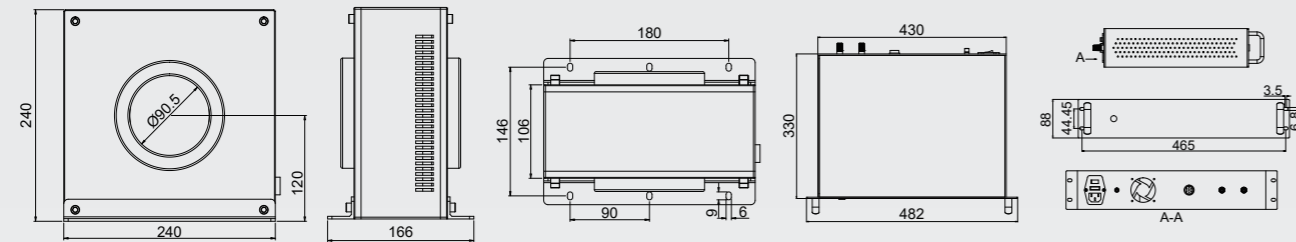
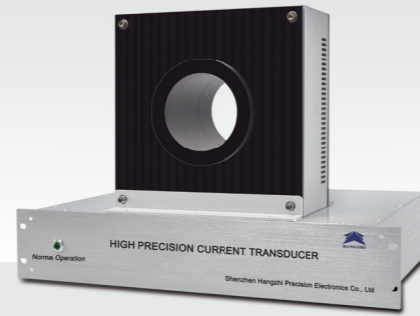


High -precision current sensor

AIT SERIES

AIT1500-D50~AIT4000-D90

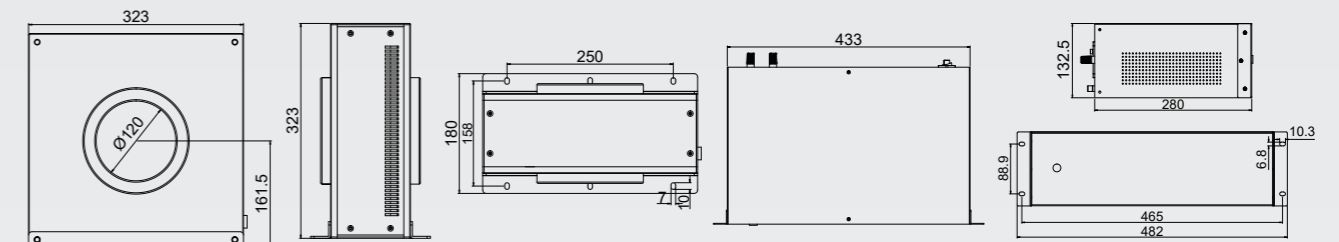
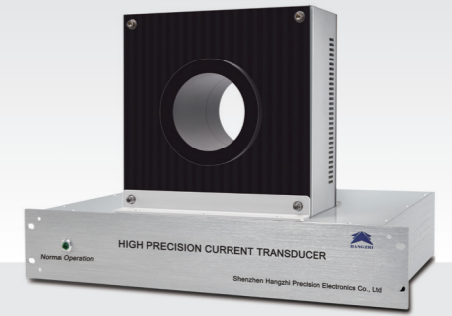


Product model	AIT1500-D50	AIT2000-D90	AIT3000-D90	AIT4000-D90
Primary rated DC current/ I_{PN_DC}	±1500A	±2000A	±3000A	±4000A
Primary rated AC RMS/ I_{PN}	1060A	1414A	2121A	2828A
Primary overload current/ I_{PM}	±1650A	±2200A	±3300A	±4400A
Supply voltage/ V_C	Current 220V	Current 220V	Current 220V	Current 220V
Transformation ratio (primary: secondary)/ K_N	1500: 1	2000: 1	3000: 1	4000: 1
Rated output current/ I_{SN}	1000mA	1000mA	1000mA	1000mA
Accuracy/ X_G	50ppm	50ppm	50ppm	50ppm
Linearity/ ϵ_L	20ppm	20ppm	20ppm	20ppm
Bandwidth/BW (3dB)	300kHz	80kHz	50kHz	50kHz
Response time/ t_r	1μs	1μs	1μs	1μs
Current change rate/di/dt	100A/μs	100A/μs	100A/μs	100A/μs
Zero offset current/ I_{OT}	±5μA	±5μA	±5μA	±5μA
Operating temperature/ T_A	-40°C~85°C	-40°C~85°C	-40°C~85°C	-40°C~85°C
Installation method	Disc installation	Disc installation	Disc installation	Disc installation
Hole diameter	50mm	90mm	90mm	90mm
Weight	8.5±1kg	9±1kg	9.5±1kg	15.5±1kg

High -precision current sensor

AIT SERIES

AIT5000-D160~AIT10000-D120



Product model	AIT5000-D160	AIT6000-D120	AIT8000-D120	AIT10000-D120
Primary rated DC current/ I_{PN_DC}	±5000A	±6000A	±8000A	±10000A
Primary rated AC RMS/ I_{PN}	3535A	4242A	5600A	7072A
Primary overload current/ I_{PM}	±5500A	±6600A	±8000A	±10000A
Supply voltage/ V_C	Current 220V	Current 220V	Current 220V	Current 220V
Transformation ratio (primary: secondary)/ K_N	6000: 1	6000: 1	4000: 1	5000: 1
Rated output current/ I_{SN}	1000mA	1000mA	2000mA	2000mA
Accuracy/ X_G	50ppm	50ppm	50ppm	100ppm
Linearity/ ϵ_L	20ppm	20ppm	20ppm	20ppm
Bandwidth/BW (3dB)	50kHz	50kHz	30kHz	20kHz
Response time/ t_r	1μs	1μs	1μs	1μs
Current change rate/di/dt	100A/μs	100A/μs	100A/μs	100A/μs
Zero offset current/ I_{OT}	±5μA	±5μA	±5μA	±5μA
Operating temperature/ T_A	-40°C~85°C	-40°C~85°C	-40°C~85°C	-40°C~85°C
Installation method	Disc installation	Disc installation	Disc installation	Disc installation
Hole diameter	160mm	120mm	120mm	120mm
Weight	23±2kg	23±2kg	28±2.25kg	28±2.25kg