IWATSU

ISOLATION PROBE

ISOLATION AMP (Receiving side) ISOLATION UNIT (Sending side)

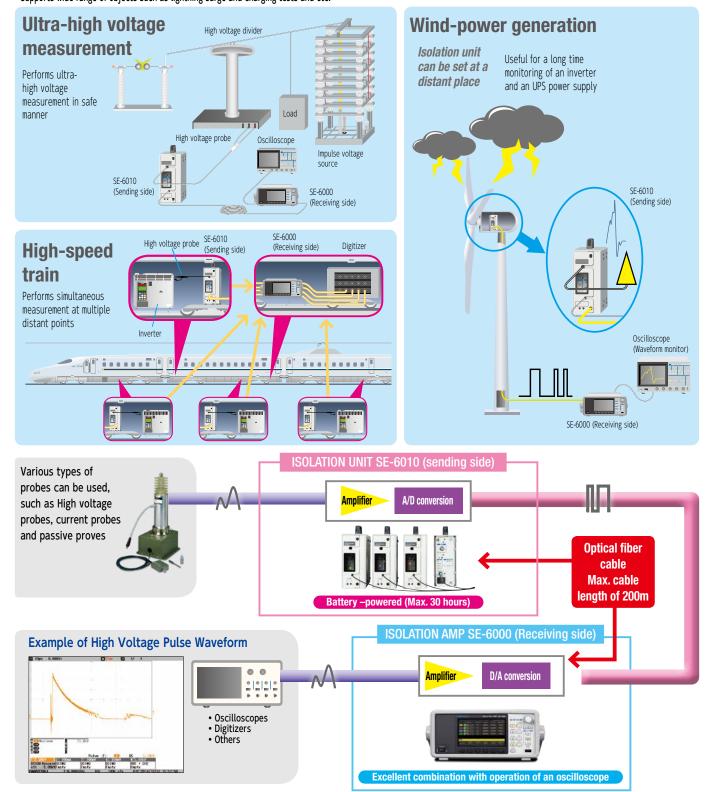
SE-6000

SE-6011



Performs waveform measurements with high resolutions and in safe manner under high voltage environment in systems that isolate output terminals through optical fibers

- Contributes to the safety for the high voltage environment tests
- Enables High-CMRR measurement
- · Measures noise resistance very effectively
- Supports wide range of objects such as lightning surge and charging tests and etc.
- Measures Distant points (Switches, Transportation equipment and etc.)
- Analyzes failure factors when multiple abnormal operations happened at the distant places (The Isolation unit can be set at each place, up to 4 sets in total)



- SE-6010 ISOLATION UNIT (sending side) is high resolution equipment for waveform measurement in high voltage environment, using voltage/current probes and etc.
- As the Unit works with batteries, measurement of low distortion can be done with reduced Common Mode noise.
- Measured waveforms are immediately transferred to the AMPLIFIER UNIT (receiving side) through optical fiber.
- Since the ISOLATION Unit and the AMPLIFIER Unit are insulated electrically and completely by optical fiber, safe measurement in high voltage / high current environment can be achieved.
- Max. 4 sets of ISOLATION UNITS can be connected to ISOLATION AMP, and the 4 channels' analog waveforms output from the Amplifier can be used for various kinds of analysis besides waveform observation with oscilloscopes.



ISOLATION UNIT

SE-6011 (Sending side)

Cnacifications

Specifications				
Number of channels		1		
Frequency range (-3dB)		30MHz (Input to Unit ~ Output from AMP)		
Input impedance		1M Ω //20pF		
Input coupling		DC, AC, GND		
Input range (Full scale)		± 50mV, ± 100mV, ± 200mV, ± 500mV, ± 1V, ± 2V, ± 5V, ± 10V, ± 20V, ± 50V In DSO mode: ± 40mV, ± 80mV, ± 200mV, ± 400mV, ± 800mV, ± 2V, ± 4V, ± 8V, ± 20V, ± 40V		
Input filter		OFF, 10MHz, 1MHz, 100kHz		
Probe System		Auto detection, Manual setting		
Max. Input voltage		400Vpeak		
Offset voltage		± 50mV to ± 200mV : ± 1V ± 500mV to ± 2V : ± 10V ± 5V to ± 50V : ± 100V		
ADC		14bit 100MS/s		
Automatic calibration		Available per channel		
Input connector		BNC (the metal parts are covered by the insulation cases.)		
LED display	Indicator	Power status: at the side of operating battery ON/OFF. Battery status: Change flashing speed by remaining power level.		
Power supply	Battery	Li-ion battery (Max. 2pcs)		
Operation time (When ordinary temperature)		Battery 1pc: 12 hours Battery 2pcs: 24 hours *1 pce equipped as standard		
Output(Optical I/F connector)		Twin LC connector × 1		
External dimensions(mm)		Approx. 95W × 205H × 315D		

ISOLATION AMP

SE-6000 (Receiving side)

Specifications

Number of channels	4	
DAC	14bit 100MS/s	
Output voltage (Impedance)	\pm 1V(50 Ω loading), \pm 2V(1M Ω loading)	
	In DSO mode:	
	\pm 800mV(50 Ω loading), \pm 1.6V(1M Ω loading)	
Monitor display	4.3" Color LCD	
, ,	back light : Select High / Low	
Auto range	Range, Offset auto detection	
Input (Optical I/F Connector)	Twin LC connector × 4	
Output	BNC × 4	
External interface	USB (for Save and Recall)	
	LAN (for Remote recall)	
External dimensions (mm)	Approx. 226W × 100H × 366D	

Options

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Optical fiber	3m, 10m, 50m(Outdoor specifications), 200m (Custom order)	
Battery	Li-ion battery(1pc equipped as standard)	
Battery charger	2- bay type	

Constitution

Proc	luct Name	Model Number
ISOLATION AMP (Receive	r side)	SE-6000
ISOLATION UNIT (Sending side)		SE-6011
Battery charger (2-bay t	уре)	CH-5050A
Battery		NH-2054
Optical fiber cable	3m	SE-605
	10m	SE-606
	50m	SE-607
	200m	Custom order

[#]The products shown in this catalogue are current models at the date of publication. Design and specification are subject to change without notice for improvement.

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