

Multi Channel Digitizer G1019

MAKE MORE ACCURATE, MORE EASILY SEISMIC OBSERVATIONS

FEATURES

● MULTI CHANNEL INPUT/OUTPUT

G1019 has 4ch analog input, 1ch serial input / output, 4ch contact input / output interface, and saves these Inputted data to CF card and micro SD card.

● CHANNEL EXTENSION FUNCTION

Addable per 4ch with extension channel unit. (max. 20ch / 4 extension units)

● LOW POWER CONSUMPTION

Need only 3W at full time mode. And make more low power consumption is realized by selectable operation modes.

● SELF PROTECTION

Protect by automatic shutdown with low voltage detect function, and connection check function.

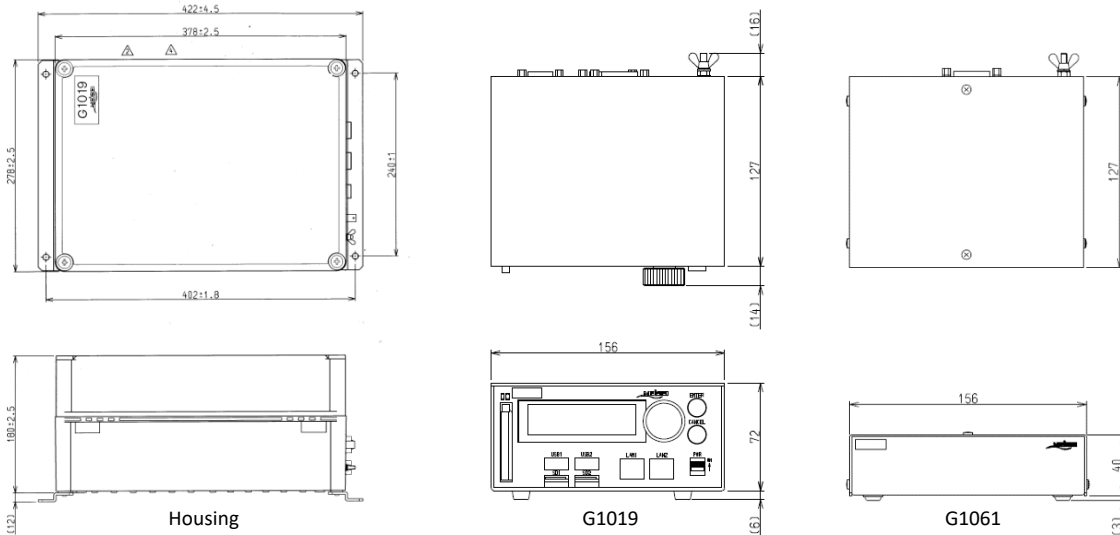
● USING EVERYWHERE

IP67 dust / water proof casing makes everywhere observing.

Specifications G1019		
Analog Input	Analog channel	4ch (Max. 20ch with 4 extension units: G1061)
	Range	FS+/- 20V, 15V, 10V
	Gain	x1, x2, x4, x8
	Dynamic range	More than 128dB (at +/-10V, 100sps)
	Sampling rates	200, 100, 20, 1sps (Selectable)
	Destination	More than 0.001%
	Temperature drift	Less than 1ppm/C
Serial input	Serial channel	1ch
	Type	RS-232C, D-SUB 9pins
	Transmission speed	Max. 115.2kbps
Contact relay input	Contact relay channel	4ch (Common common), LVCMOS/3.3V
Procession	A/D conversion method	$\Delta\Sigma$ (Differential input)
	Resolution	24, 16bit (Selectable per channel)
	Low-pass filter	FIR digital filter, 40% cut-off minimum phase filter
	High-pass filter	Primary characteristic IIR filter, Cut-off freq. 0.01 or 0.001Hz (Selectable)
Output	Ethernet interface	2ports, IEEE802.3u (10/100BASE-TX)
	Serial interface	RS-232C, RS-422, RS-485, D-SUB 9pins
	Serial transmission speed	Max. 115.2kbps
	Transmission method	SeedLink
	Waveform format	mSeed
	Contact relay	4ch (Independent common), AC/DC 20V, 1A
Timing	Type	GPS
	Accuracy	Less than 300usec. of UTC with GPS
General	OS	Linux
	Display	Organic EL, 256x64 dots
	Storage media	CF card 1port, micro SD card 2ports, USB 2ports
	Operation mode	Full time, Low consumption by stop network function (Selectable)
Self protection	Auto shutdown	By low voltage detection
	Electric protection	By high voltage detection and reverse connection protective function
	Current and voltage Limitation	By thermal fuse and constant voltage diode

Specifications G1019		
Power source	DC input	DC9V to 24V
	Power consumption	Less than 3W at Full time operation mode
Physical	Size	Approx. W156×H72×D127mm (exclude protrusion)
	Weight	1.1kg or less
	Size (Housing)	Approx. W378×H278×D180mm (exclude protrusion)
	Weight (Housing)	6kg or less
	Dust / Water proof	IP67
Working environment	Temperature	-20°C to +60°C
	Humidly	90%RH or Less (Non-condensing, absence of corrosive gas)
Specifications G1061 (Extension unit)		
Analog Input	Analog channel	4ch per unit
	Range	Same as G1019
	Gain	Same as G1019
	Dynamic range	Same as G1019
	Sampling rates	Same as G1019
	Destination	Same as G1019
	Temperature drift	Same as G1019
Power source	DC input	Supply from G1019
	Power consumption	Less than 1W at Full time operation mode
Physical	Size	Approx. W156×H40×D127mm
	Weight	0.5kg or less
Working environment	Temperature / Humidly	Same as G1019

Over view



CAUTION

- Read "Manual" ahead of the use to use it correctly and safely.
- The specification and externals might change without a previous notice. Please acknowledge it beforehand.
- The product on catalog is a standard products. We will customize it according to customer's specification. Please ask in detail.
- Our company cannot assume the responsibility of any claim of the third party beforehand about damage and passive damages in money generated by using our products.

Unit :mm

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