

GSI127 244-127-000-017 A1-B02

GSI127 Galvanic Separation Unit

PRODUCT TECHNICAL REFERENCE

Vibro-Meter GSI127 244-127-000-017 A1-B02 is a standard-environment galvanic separation unit with the B02 current-to-voltage transfer option. It separates the sensor circuit from monitoring equipment while translating the selected current signal for longer-distance transmission.

OFFICIAL SOURCE

GSI127 Galvanic Separation Unit Data Sheet | DS 262-870, Version 11, 12 May 2022

Verified technical profile

GSI127 Galvanic Separation Unit

Base part number	244-127-000-017
Environment option	A1 standard
Transfer option	B02
B02 sensitivity	1 V/mA
B02 zero relationship	12 mA to 7 V; 13 mA to 8 V
Power supply input	18 to 30 VDC
Current at 24 V, no load	80 mA maximum
Current at 24 V, 20 mA sensor load	120 mA maximum
Sensor-side supply	20 VDC +/-1 V
Sensor current range	0 to 20 mA
Voltage output range	2 to 20 VDC at 10 kohm
Bandwidth	DC to 20 kHz within +/-0.5 dB
Sensor-to-monitor isolation	4 kVrms
Mounting	TH35 DIN rail
Operating temperature	0 to 70 deg C

Only values traceable to the listed manufacturer source are treated as verified technical data.

System role and engineering boundaries

Vibro-Meter GSI127 244-127-000-017 A1-B02 is a standard-environment galvanic separation unit with the B02 current-to-voltage transfer option. It separates the sensor circuit from monitoring equipment while translating the selected current signal for longer-distance transmission.

1

Provides 4 kVrms sensor-to-monitor separation

2

Converts the B02 current signal at 1 V/mA

3

Supports DC-to-20 kHz measurement transfer

4

Uses removable terminals on a TH35 DIN-rail housing

ENGINEERING NOTE

Mount the A1-B02 GSI127 on a TH35 DIN rail, verify the 18 to 30 VDC supply and land sensor and monitor wiring on the designated removable terminals. Confirm the B02 1 V/mA conversion, zero relationship, polarity and channel response before returning the measurement loop to service.

Industrial application matrix

Four source-supported operating contexts for this exact product.

Long-distance vibration-signal transfer

Converts an approved current-output sensor interface for transmission to a voltage-input monitor.

Machinery-protection loop isolation

Separates the transducer circuit from the monitoring channel in the documented cabinet design.

Condition-monitoring cabinet integration

Provides the defined B02 conversion between IPC-series or VE210 current output and monitoring equipment.

Ground-loop mitigation

Maintains galvanic separation between sensor and monitor sides without a protective-earth connection to the unit.

Related-series navigation

Eight verified Apter Power product pages, kept separate from the manufacturer source record.

RELATED APTER POWER SERIES PAGES	
01	CA134 144-134-000-612 accelerometer
02	VM600 ABE042 system rack
03	VM600 CPUM 200-595-100-013 controller pair
04	CE281 444-281-000-111 accelerometer
05	VM600 MPC4 200-510-070-112 protection card
06	VM600 IOC4T 200-560-000-113 I/O card
07	MPC4 200-510-078-115 protection card
08	AF70982 111-412-000-012 proximity transducer

Navigation links only - not manufacturer evidence for technical parameters.

SOURCE RECORD

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