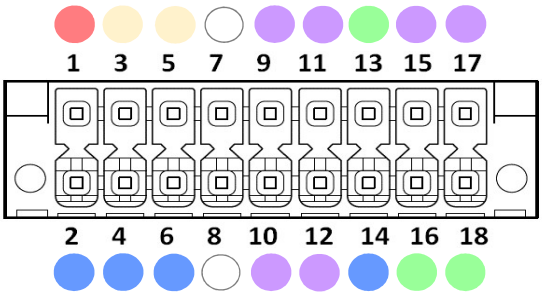
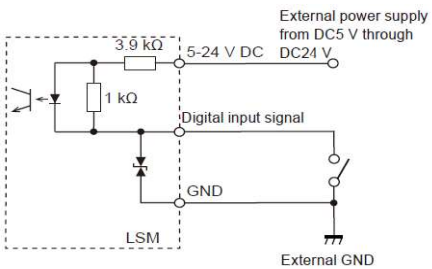
LSM unit pinout

1	POWER IO	5 - 24 V	Power supply **for IO interface (!)**, 5 - 24 V
2	GND	GND	Ground
3	ANALOG	ANOUT	Analog voltage output (from -5 V through +5 V)
4		A_GND	Analog ground for ANOUT
5	ANALOG	SCAN	Scan waveform output (from 0 V through +5 V)
6		SCAN_GND	Analog ground for SCAN
7		N.C.	Not Connected
8		N.C.	Not Connected
9	OUT	$\overline{\text{LT3}}$	NO/NG judgment output 3 (LT3): -NG. The measured values exceeds the limit on minus side.
10	OUT	$\overline{\text{STB, ACK}}$ *selectable*	**STB (default)**: low pulse output when GO/NG output is updated (LT1, LT2, LT3). ACK: L during measurement, H when measurement ends
11	OUT	$\overline{\text{LT1}}$	NO/NG judgment output 1 (LT1): 3NG. The measured values exceeds the limit on plus side.
12	OUT	$\overline{\text{LT2}}$	NO/NG judgment output 2 (LT2): OK. The measured values is within limits.
13	IN	$\overline{\text{PRST}}$	Preset operation
14	GND	GND	Ground
15	OUT	$\overline{\text{ERR}}$	L when ERROR occurs.
16	IN	$\overline{\text{CLER}}$	**During ready state :** L executes the error status clearing process. **During measurement:** L executes measurement cancellation process (measurement at the time of input is discarted).
17	IN	$\overline{\text{RUN}}$	**During ready state :** L starts measurement in accordance with setting. **During measurement:** depending on RUN input setting, execute end measurement processing on input (??)
18	OUT	$\overline{\text{SYNC}}$	L pulse when mesurement starts. Duration of SYNC signal is the same as duration RUN signal input.

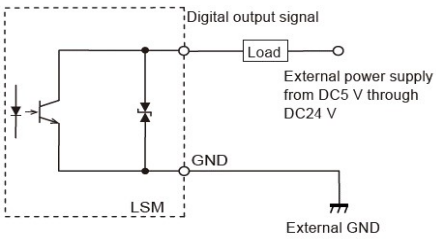




Digital input specifications

Input format	Photocoupler isolated input (current sink) negative logic*1
Input resistance	Limiting resistance 3.9 kΩ (0.25 W)
External power supply	From +5 V through +24 V

*1 Low level: Valid signal
High level: No signal



Digital output specifications

Output format	Photocoupler isolated output (current sink) negative logic*1
External power supply	From +5 V through +24 V
Output current	Sink current 7 mA

*1 Low level: Valid signal
High level: No signal