

LVDT signal conditioner - Datasheet

Device features:

- Flexible and modular design
- Two analog voltage outputs and one analog current output
- Half (semi)-automatic calibration device
- DIN rail installation capability
- The possibility of packing two LVDT modules that can work with two independent LVDT sensors in one housing
- 4-wire connection with the LVDT sensor
- The possibility of connecting the LVDT sensor to the ground of the device
- Synchronization of LVDT modules in the form of Master-Slave connection
- Signaling of errors in the operation of the LVDT module
- RS485 and LAN interface for configuration, settings and diagnostics
- Device has click connectors for easier connection and replacement
- User interface with one button and four LEDs for indicating operating modes, calibration and errors per module
- Two DIP switches with 12 positions each for configuration and settings



Technical characteristics:

Power supply:	from +9Vdc to +36Vdc
Current consumption:	up to 300mA@9Vdc
Rated power:	up to 3W for single, up to 6W for double
Operating temperature range:	from -20°C to +70°C (ambient temperature)
Three analog outputs:	all work at same time, 2-voltage outputs and 1-current output
First voltage output:	from 0V to +5V
Second voltage output:	from 0 V to +10V
Current output:	from 4mA to 20mA
Digital error output:	0V – does not have error, 3.3V – detected error
Electrical protection:	Galvanic isolation power supply, integrated thermal, over-current, over-voltage and transient protection

Ordering information:

#	Part number	Description
1.	IMP-LVDT-01-01-01-01-000	Single LVDT sig. conditioner, PWR galvanically isolated, 4 wire interface, without LAN
2.	IMP-LVDT-01-01-01-02-000	Single LVDT sig. conditioner, PWR galvanically isolated, 4 wire interface, with LAN
3.	IMP-LVDT-01-02-01-01-000	Double LVDT sig. conditioner, PWR galvanically isolated, 4 wire interface, without LAN
4.	IMP-LVDT-01-02-01-02-000	Double LVDT sig. conditioner, PWR galvanically isolated, 4 wire interface, with LAN

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