

**SIEMENS**



**SITRANS LT500 MULTIRANGER / HYDRORANGER**

**Level up** your control

For radar or ultrasonic transmitters and transducers,  
or any 4-20 mA devices

SITRANS LT500

# Ultimate control of your application

After driving the market in ultrasonic level controllers for the past 40+ years, Siemens has evolved its industry-leading solutions to include control for 80 GHz radar sensors or ultrasonic transducers.

Need high-accuracy open channel monitoring? How about flexible control with multiple relays and ultrasonic level? Or perhaps you need a reliable controller for long-range, high-frequency radar? SITRANS LT500 MultiRanger / HydroRanger answers these questions – and more!

The new SITRANS LT500 MultiRanger / HydroRanger level, flow, and pump controller for radar or ultrasonic transmitters and transducers—or any two-wire 4-20 mA devices—offers everything from basic level control to complex pumping. Easily retrofit older equipment and see how improved system control delivers savings directly to your company's bottom line.



# Trust the **proven**



40+ years of controller experience backed by more than 170 years of Siemens' innovative engineering experience and millions of installed process instruments in the field.

## Environmental compliance

Controlling your application keeps you operating within local legislation. From basic level control to complex pumping routines, protect the environment while keeping accurate records of your process.

- Onboard datalogging ensures reliable data backup
- High-accuracy flow measurements meet ISO standards
- Adherence to strict regional regulatory compliance
- Easy retrofit of older equipment to provide a new choice of inputs

## Reduced carbon footprint

Control over your systems brings savings.

- Avoid peak energy hours: schedule your pumps before high-demand periods and save money
- Connectivity and reliable level measurement reduces site visits and CO<sub>2</sub> emissions
- Programmable features – grease ring reduction, pump runtime and alternating pumps – reduces maintenance

## Safety first

Installation of a controller protects your most valuable assets.

- Reduce personnel access to vessel tops or confined spaces
- High-level alarms and backup level override help prevent overflow of hazardous materials
- Simple push-button configuration from the safety of the controller
- User-configurable passwords protect access
- Backup control to a PLC
- Isolated wiring compartment

## Process optimization for better business

Digitalization ready for connection to the cloud, IIoT, or networks using standard industry protocols and onboard datalogging for events, totalizers, pumps, and more. Everything at your fingertips or just a touch away.

### SITRANS LT500 MultiRanger / HydroRanger

#### First choice for level measurement control

Technology	Ultrasonic, radar, 4-20 mA
Order No.	7ML60
	SITRANS LT500 MultiRanger / HydroRanger is a controller for level, volume, volume flow, and pump applications for radar and ultrasonic transmitters, and ultrasonic transducers – or any other 2-wire 4 to 20 mA devices.
Range	Sensor dependent
Key features	<ul style="list-style-type: none"> <li>• Single- and dual-point measurements</li> <li>• Quick Start Wizards with 6 different display views and optional view information</li> <li>• Compatible with SITRANS LR110/120, SITRANS Probe LU240, all Siemens transducers and generic mA inputs</li> <li>• Six fully programmable relays rated at 5A for pump control and alarming</li> <li>• Datalogging, parameter backup and copy configuration on micro memory card</li> </ul>
Communications or outputs	HART, Modbus RTU, Profinet, PROFIBUS DP or PROFIBUS PA options

**Legal Manufacturer**

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