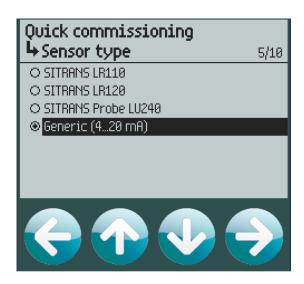# Did you know?

SIEMENS

SITRANS LT500 HydroRanger/MultiRanger controllers are designed to configure specific HART-based level sensors available as options during configuration. For sensors not available as options in the device menu, select "**Generic (4 ... 20 mA**)" to use the analog output of the sensor for driving control functions.
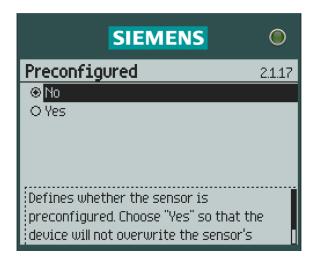
Supported remote sensors:
- SITRANS Probe LU240 ultrasonic level sensor
- SITRANS LR110 radar level sensor
- SITRANS LR120 radar level sensor
- Generic (analog only, no HART) sensor (passive output)

If a generic sensor is used and damping cannot be set in the sensor, use the parameter "Damping value" per LT500 current outputs, fieldbus or local display. All other settings (including damping when it is available) will need to be managed at the sensor, e.g., lower and upper calibration points, which must match the input on the LT500 to ensure all is aligned accurately. The biggest advantage of using the supported sensors is that the LT500 parameters control them, eliminating the need to duplicate setup efforts for the sensors and the controller.

Additionally, when using a generic sensor, there is no need to set the preconfigured option 2.1.17 to "Yes" or "No" in the LT500. This requirement applies only to supported sensors, even if the generic device supports HART.

Herman Coello
Level Product Manager