

5.9 Configuring all the parameters

In the following pages we describe all the instrument parameters. However, the controller shows the parameters applicable to the hardware options in accordance with the specific instrument configuration [i.e. setting “o2F - Alarm 2 function” equal to *nonE* (not used), all parameters related with that alarm will be skipped].

[1] SPL - Minimum Set Point value

Range: From -99.9 to SPH engineering units.

[2] SPH - Maximum Set Point value

Range: From SPL to 999 engineering units.

[3] SP1 - Set Point

Range: From SPL to SPH engineering units.

[4] SP2 - Second Set Point

When 2 control outputs are programmed with ON/OFF action, the instrument uses SP1 to command OUT1 and SP2 (see following parameter) to command OUT2.

Available: When Out2 has been programmed as control output.

Range: From SPL to SPH engineering units.

[5] AL - Alarm threshold

Available: When Out2 has been programmed as alarm.

Range: -99.9 ÷ 999 engineering units.

[6] tun - Autotuning

Available: When o1F = PID

Range: **ALL** = the Autotuning is performed at every start up and parameters Pb, Ti and Td are hidden.
onE = The Autotuning is performed only at the next start up.
ub = Manual start of the Autotuning through (**U**) key (parameters Pb, Ti and Td are visible).

Note: When the Autotuning and the soft start, or the delay at the start up, have been programmed, the instrument performs first the soft start (with the parameters it has in memory) and then performs the Autotuning.

[7] Pb - Proportional band

Available: When o1F = PID and tun = ub.

Range: 1 ÷ 999 engineering units.</