

Installation

The firmware version 16e required some modifications of internal data structures of the gauge. A software update therefore *requires* the use of appropriately updated tools:

- the Gauge Update Wizard version 0.07
- the Language Editor version 7.0.3

The update procedure is described in a separate instruction sheet. After the update, any language data that may have been stored in the gauge are deleted and have to be reloaded with the Language Editor (see separate instruction sheet, too).

New features in QN8500 firmware version 16e

1. Full support of all available probes, including the new MI probe.
2. Measurements can be triggered by a keypad button; the ▲ button can be switched to this mode by a setup option.
3. New menu items *Calibration/Zero* and *Calibration/Infi*.
The new menu items are especially useful when the probe is operated in a measurement stand.
4. Active menu options are marked by a bullet sign. In older firmware versions, this applied only for the calibration and block menus.
5. Measurements are stored in memory even if substrate is set to combi mode (simultaneous measurement of NFe and Fe values). Values are stored sequentially (Fe first). The measurement counter is incremented by 2 if a combined measurement is stored.
6. New behaviour concerning infi values in combi mode. In former firmware versions, the gauge displayed „Infi“ when one of the measured values was infi or -infi. This was annoying for some customers when measuring on e.g. aluminum without a Fe Layer, or on steel without coating (display would show „-Infi“ in this case, because NFe measurement gives no useful result).

The new firmware displays a proper measurement value whenever possible and „Infi“ is displayed in the line where a useful value is missing. A large „Infi“ is displayed only if neither Fe nor NFe measurements lead to readings within their respective range.

7. The block menu has a new item „Delete Values“. This item was requested by customers. So by now you have the following options regarding deletion of memory items:
 - a) *Memory/Delete All*: all memory blocks including their content are deleted. A single, empty block is created and named „B 0001“.
 - b) *Memory/Delete Values*: the content of all memory blocks is deleted. The blocks themselves are retained.
 - c) *Memory/<block name>/Delete*: the selected block including its content is deleted.
 - d) *Memory/<block name>/Delete Values*: the content of the selected block is

deleted.

- e) *Memory/<block name>/Show Values/<selected value>/Delete*: deletes the selected value.