

MACHEREY-NAGEL

QUANTOFIX<sup>®</sup> Relax

Automated reader for test strips

Dip & Read Tests



Perfect vision · Exact results

- Highest precision
- Objective readings
- Easy result administration



**MACHEREY-NAGEL**

[www.mn-net.com](http://www.mn-net.com)



## ■ A revolution in test strip analysis

The QUANTOFIX® Relax is a revolutionary step in test strip analysis. With this new system, MACHEREY-NAGEL offers an entirely objective way to read QUANTOFIX® test strips, making the system particularly suitable if results are critical to your decision making. The system simplifies testing procedures and the decision processes by eliminating the subjectivity of visual readings and by providing higher accuracy. Especially if you test large numbers of strips, the QUANTOFIX® Relax helps and supports you with easy data administration and quick testing procedures. Additionally, the QUANTOFIX® Relax allows you to get actual quantitative results – no gradation and estimation of in-between values is necessary.

The QUANTOFIX® Relax can change the way you work and test. The system enables you to focus on your core processes and is the perfect tool for your testing procedures.

### Highest precision

- Quantitative results across the complete measuring range
- Higher accuracy and no in-between value guesswork
- Assure your decision making

### Objective readings

- No influence of external light or human color perception
- Reproducible results independent of the operator
- Increase safety and comfort

### Easy result administration

- Immediate printouts
- Data can be transferred to a computer
- Save time to focus on your core business



Speed up your analysis and save time with up to 50 analyses per hour!



## Optimized usability



### Auto Start

Select the test, dip the strip and place it on the instrument. Without pressing any further button, the instrument starts the measurement automatically. Thus, operating is clean and easy.



### Graphic display

The graphic display shows all relevant information at a glance. The result is given with a test specific confidential interval. Thus, you can easily decide which further steps are needed for your process.



### Touch screen

The touch screen makes using the instrument a real pleasure. All functions are easily accessed with a dip on the screen. You can also enter sample IDs with the on-screen keypad or an external keyboard. This makes documentation of results safe and easy.



### Interface options

The instrument features a USB as well as an RS 232 interface. It can easily be connected to existing laboratory information systems and also to PCs.



### Printer

The result is printed using a fast and silent internal printer. Thus, you can easily staple the results to production files for later check or QC procedures.



### Easily change tests

With just two taps on the screen you can quickly change between your favorite tests. Select five different tests as your favorites out of a large variety of tests programmed into the instrument. All information is already programmed so you can immediately start the measurement when needed.



### Memory for 200 measurements

Up to 200 measurements can be stored. Using internal functions, positive readings are easily filtered out, enabling further diagnosis whenever necessary.



Take account of matrix interferences with the user specific calibration adjustment function.

## ■ Test strips for QUANTOFIX® Relax

The following tests are calibrated on the instrument and can be run with the instrument's software.

Additional tests will be added to the instrument successively based on customer demand. If you are interested in a specific test for the QUANTOFIX® Relax, please contact your local distributor or MACHEREY-NAGEL directly.

Test	Range	REF
QUANTOFIX® Ammonium*	10–350 mg/L NH <sub>4</sub> <sup>+</sup>	913 15
QUANTOFIX® Ascorbic acid	25–1000 mg/L vitamin C	913 14
QUANTOFIX® Chlorine Sensitive	0.1–10 mg/L Cl <sub>2</sub>	913 39
QUANTOFIX® Formaldehyde*	10–200 mg/L HCHO	913 28
QUANTOFIX® Glucose	50–2000 mg/L glucose	913 48
QUANTOFIX® Nitrate 100	3–100 mg/L NO <sub>3</sub> <sup>-</sup> / 0.5–50 mg/L NO <sub>2</sub> <sup>-</sup>	913 51
QUANTOFIX® Nitrate / Nitrite	10–500 mg/L NO <sub>3</sub> <sup>-</sup> / 0.5–80 mg/L NO <sub>2</sub> <sup>-</sup>	913 13
QUANTOFIX® Nitrite	0.5–80 mg/L NO <sub>2</sub> <sup>-</sup>	913 11
QUANTOFIX® Peracetic acid 50	5–50 mg/L peracetic acid	913 40
QUANTOFIX® Peracetic acid 500	50–500 mg/L peracetic acid	913 41
QUANTOFIX® Peracetic acid 2000	500–2000 mg/L peracetic acid	913 42
QUANTOFIX® Peroxide 25	0.5–25 mg/L H <sub>2</sub> O <sub>2</sub>	913 19
QUANTOFIX® Peroxide 100	1–100 mg/L H <sub>2</sub> O <sub>2</sub>	913 12
QUANTOFIX® Peroxide 1000	50–1000 mg/L H <sub>2</sub> O <sub>2</sub>	913 33
QUANTOFIX® Phosphate*	3–80 mg/L PO <sub>4</sub> <sup>3-</sup>	913 20
QUANTOFIX® Total Sugar	55–700 mg/L fructose / glucose	913 52
QUANTOFIX® Sulfite	10–500 mg/L SO <sub>3</sub> <sup>2-</sup>	913 06
pH-Fix 0–14	pH 1.0–13.0	921 10
pH-Fix 0.0–6.0	pH 0.5–6.0	921 15
pH-Fix 2.0–9.0	pH 2.0–9.0	921 18
pH-Fix 3.6–6.1	pH 3.6–6.1	921 30
pH-Fix 4.5–10.0	pH 4.5–10.0	921 20
pH-Fix 6.0–10.0	pH 6.0–10.0	921 22
pH-Fix 6.0–7.7	pH 6.0–7.7	921 50
pH-Fix 7.0–14.0	pH 7.0–13.5	921 25

Together with the QUANTOFIX® Relax, test strips may not be used for any medical application.

\* This product contains harmful substances which must be specially labeled as hazardous. For detailed information please see MSDS.

## ■ Technical specifications QUANTOFIX® Relax

### Instrument memory

- 200 test results including sample ID

### Interface

- User: Touch screen, alphanumeric input, password protection
- Computer: USB and RS 232 interface for connection to PC, PS/2 interface for connection of keyboard or barcode scanner

### Dimensions / Weight

- Depth: 20 cm (7.9 inches)
- Width: 16 cm (6.3 inches)
- Height: 7.5 cm (3.0 inches)
- Weight: 710 g (1.90 lb), (w/o batteries and power supply)

## REF 913 46



### Power requirements

- 110–240 V AC, automatic
- Battery powered operation (optional) with 6 AA batteries

### Operating conditions

- Temperature range: 10 °C–40 °C (50 °F–104 °F)
- Humidity range: 80 % maximum (non condensing)
- Calibration: automatic, self calibrating

### Capacity

- 50 strips per hour

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