

# Test strips for semi-quantitative determinations

## Automated reader for test strips

### QUANTOFIX® Relax

#### Optimized strip reading

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 result 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 print outs
- Data can be transferred to a computer
- Save time to focus on your core business

#### Optimized usability

##### Auto start



Place the strip on the instrument, the measurement starts automatically. So, operating is clean and easy.

##### Easily change tests



Select five different tests as your favorites out of a large variety of tests programmed into the instrument. With just two dips on the screen you can quickly change between your favorite tests.



#### Optimized result administration

##### Interface options



The instrument features an USB as well as an RS232 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.

##### 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.

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### Technical data

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 and / 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)
Power requirements	110–240 V AC, automatic Battery powered operation (optional) with 6 AA batteries
Operation	Temperature range: 5–40 °C (41–104 °F) Humidity range: 20–80 % relative humidity, non condensing Calibration: automatic, self calibrating
Capacity	50 strips per hour

### Ordering information

Test	Range	REF
<b>Spare parts and accessories</b>		
Reflectometer QUANTOFIX® Relax, suitable for evaluation of QUANTOFIX® test strips incl. power supply, adapter, manual and 1 roll of printer paper		913 46
Case for reflectometer QUANTOFIX® Relax, for individual combination with QUANTOFIX® Relax, 3 rolls of printer paper, 6 QUANTOFIX® tubes, 6 batteries, power supply and accessories		930 889
Printer paper for QUANTOFIX® Relax		930 65
Barcode scanner for QUANTOFIX® Relax		930 74
<b>Tests calibrated on the instrument that can be run with the instrument software</b>		
QUANTOFIX® Ammonium*	10–350 mg/L NH <sub>4</sub> <sup>+</sup>	913 15
QUANTOFIX® Ascorbic acid	50–1000 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>	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® 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.		

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.

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