

# LAURA<sup>®</sup>

## Semi-Automated Urine Strip Reader



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## Urine Analysis: Quick, Efficient, Powerful

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# LAURA®

## Objective and powerful solution for urine analysis

Urine strip reader LAURA® is an efficient and powerful solution for routine chemical urinalysis. From medium-sized to large laboratories, the objective photometric evaluation and semi-automated technology provided by LAURA® will ease the processing of samples and contribute to correct diagnosis of the patients.

### Main features of LAURA®:

- High throughput
- Easy operation via touchscreen
- Simple maintenance
- Strip type flexibility
- Automatic compensation of atypical sample color
- Built-in thermal printer
- LIS / HIS connectivity
- External keyboard and barcode reader connectivity
- Manual entry of sample color and turbidity with customizable category names
- Automatic self-check at each initialisation
- Easy and quick quality check with control strips
- Compatibility with Erba Lachema and 3<sup>rd</sup> party liquid controls
- Fully enclosed waste container for used test strips

### Sample identification made easy

LAURA® offers three different sample identification modes:

**Sequential:** a sequence number is automatically assigned to each sample

**Sample ID:** a unique ID number can be entered for each sample either manually or by means of external keyboard or barcode reader

**Worklist:** a list of sample IDs and patients can be created prior to processing the samples simplifying this way the data entry during measurement

### Control, calibration and maintenance

LAURA® performs a simple and fast automatic self-check and calibration at each start-up. If a more sophisticated quality control of the optical system is required, special control strips and a special software mode are provided to perform control measurement. To verify the precision and accuracy of both the reader and the strip at the same time, quality check using liquid controls is available. URINORM is the liquid control offered by Erba Lachema for the PHAN® urine strips and the LAURA® urine strip readers, however different 3<sup>rd</sup> party liquid controls are also applicable.

LAURA® automatically detects when the waste container is full and displays a warning on the screen. For an easier daily maintenance, the software of LAURA® has a special cleaning mode that allows the user to open the instrument and have perfect access to the parts to be cleaned, keeping the device in proper hygienical condition this way.

### Strip type flexibility

To meet the different needs of laboratories, LAURA® is compatible with different types of urine test strips. The strip type being used is automatically identified by the reader, no manual setting is needed.

	Leukocytes	Nitrite	pH	Protein	Glucose	Urobilinogen	Bilirubin	Ketones	Blood	Specific gravity	Compensation field
HeptaPHAN® LAURA			●	●	●	●	●	●	●		●
DekaPHAN® LAURA	●	●	●	●	●	●	●	●	●	●	●

## TECHNICAL SPECIFICATIONS

### Description of the device:

- Semi-quantitative reflectance photometer
- Optical unit: a CCD camera/LED
- Wavelengths: 535, 610 nm
- Incubation period: 60 s
- Capacity: 400 strips per hour
- Touchscreen: 5" TFT display (320 x 240 pixels)
- User-defined setting option
- Built-in thermal printer
- Host interface: RS232
- Possibility to connect external keyboard or barcode scanner via PS/2
- Memory capacity: last 1000 results
- Languages for end-users: EN, DE, PL, CZ, RU, HU, IT

### Working conditions:

- Power source: AC 90 – 230 V / 50 – 60 Hz
- Power consumption: 45 W max. / 6 W in standby mode
- Temperature: 20 – 25 °C
- Relative humidity: 20 – 80 %
- Weight: 5 kg including the adaptor
- Dimensions: 430 x 290 x 170 mm

Cat. nr.	Product	Qty
50001727	LAURA®	1 pce
10008297	DekaPHAN® LAURA	100 strips
10008298	HeptaPHAN® LAURA	100 strips
10010266	Urinorm	2x3 bottles
50003491	Control strips for LAURA®	5 pcs

