

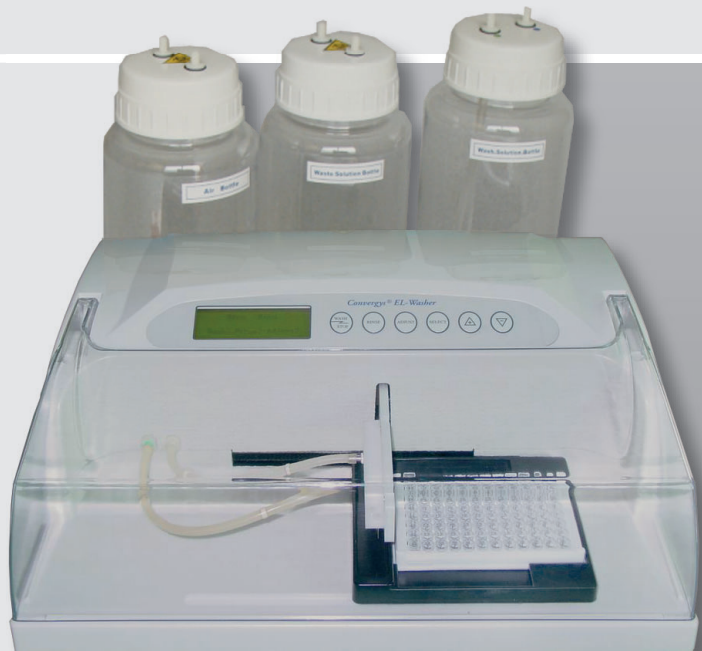
# Convergys® EL-Reader 96X and Convergys® EL-Reader 96X+



- Flexible and high performance measurement
- Multiple measurement modes and analysis methods
- Built-in incubator for kinetic studies
- Built-in plate shaker
- 8x21 character high contrast graphic LCD
- Convergys® ELR 96X PC software to control measurements and data management through PC
- Easy-to-use menu with soft key interface
- Additional Filter cassettes are available as optional

# Convergys® ELISA Washer

- Fully programmable to provide multi-step combinations of dispense, aspirate, combined aspirate/dispense and soak cycle
- All types of wells are supported
- Strip trays and plates can be used
- Volume calibration facility
- 4x20 character high contrast graphic LCD
- Memory for 120 programmable protocols, 20 steps in each protocol
- Easy-to-use menu with soft key interface



## Specifications of Convergy's® EL-Reader 96x and Convergy's® EL-Reader 96X+

<b>Measuring Wavelengths:</b>	Standard package EL-Reader 96X: 400-900nm; 405nm, 450nm, 490nm, 600nm Standard package EL-Reader 96X+: 340-900nm; 340nm, 405nm, 450nm, 490nm, 600nm
<b>Analyse method:</b>	Cut-off and quantitative analysis
<b>Measuring method:</b>	End point, two-point and kinetic
<b>Measuring time:</b>	≤5 seconds at continuous reading
<b>Optical System:</b>	9 channels optical fibre including 1 reference channel
<b>Interference Filters:</b>	Max. 8 selectable filters in a filter wheel, 10 ±2 nm half bandwidth filter, Center wavelength accuracy: ±2 nm
<b>Plate type:</b>	96-well plate
<b>Measurement Linearity and Range:</b>	+/- 2% from 0.000 to 3.000 Abs
<b>Accuracy:</b>	+/- 0.005 Abs or 2%, whichever is greater (from 0.000 to 3.000 Abs)
<b>Precision:</b>	<0.3%CV from 0.000 to 2.000 Abs <1.0%CV from 2.000 to 3.000 Abs
<b>Light source:</b>	Tungsten halogen lamp (12V/20W)
<b>Detector:</b>	9 silicon photo detectors
<b>User interface:</b>	Easy-to-use, menu driven user interface with 25 soft keys
<b>Languages available:</b>	English menu
<b>Data capacity:</b>	100 sets of protocols, 50 sets of sample data, 20 sets of standard curve
<b>Host computer interface:</b>	USB port or RS-232 serial link
<b>Printer interface:</b>	Parallel centronics
<b>Display:</b>	8x21 character, high-contrast graphic LCD, suitable for well mapping
<b>Keypad:</b>	25 buttons (including cursor and numeric keys) on a taclite membrane keypad
<b>Shaker:</b>	Built-in shaker with 3 user selectable modes (8Hz, 11Hz and 14 Hz)
<b>Incubator:</b>	Built-in incubator for ambient temperature of 3-50°C
<b>Software:</b>	Convergy's® ELR 96X PC software to control measurements and to manage data and analysis results through PC
<b>Plate Layout:</b>	Flexible plate layout with blank, standards and samples in one screen
<b>Power requirement:</b>	100-120 or 200-240 VAC, 50-60Hz, 90W max.
<b>Operating conditions:</b>	15°-35° C, 59-104° F (Optimal temperature is 25 °C, 77 °F), 90% RH max.
<b>Dimensions and weight:</b>	(W x D x H) ca. 355 x 345 x 174 mm, ca. 14 kg

## Specifications of Convergy's® ELISA Washer

<b>Washing manifold:</b>	8 or 12 channels
<b>Residual aspiration volume:</b>	<1 µL per well
<b>Washing cycle:</b>	0-99 cycles
<b>Washing strips:</b>	1-12 strips
<b>Soak time:</b>	0-3600 seconds
<b>Reagent system:</b>	Wash solution (2L), Rinse solution (2L), Buffer solution (2L), Waste container (2L)
<b>User interface:</b>	Easy-to-use, menu driven user interface with 8 buttons on a taclite membrane keypad
<b>Languages available:</b>	English menu
<b>Data capacity:</b>	120 open programs
<b>Shaker:</b>	Built-in linear shaker with 3 user selectable modes (low-, middle- and high-speed)
<b>Display:</b>	4x20 character, high-contrast LCD
<b>Keypad:</b>	8 buttons on a taclite membrane keypad
<b>Shaking time:</b>	0-600 seconds
<b>Power requirement:</b>	200-240 VAC, 50-60Hz, 60W max.
<b>Operating conditions:</b>	5°-40° C, 59-104° F (Optimal temperature is 25 °C, 77 °F), 20%~ 80% RH
<b>Dimensions and weight:</b>	(W x D x H) ca. 440 x 320 x 140 mm, ca. 9 kg

## Ordering Information

REF	Article Name	Description
1100-1310	Convergy's® EL-Reader 96X main unit	Standard package 400-900 nm; 405 nm, 450 nm, 490 nm, 600 nm
1100-1311	Convergy's® EL-Reader 96X+ main unit	Standard package 340-900 nm; 340nm, 405 nm, 450 nm, 490 nm, 600 nm
1100-1301	Convergy's® ELISA Washer	ELISA Washer
1100-1313	Filter cassette 405nm	Spare filter cassette
1100-1314	Filter cassette 450nm	Spare filter cassette
1100-1315	Filter cassette 490nm	Spare filter cassette
1100-1316	Filter cassette 550nm	Additional filter cassette as optional
1100-1317	Filter cassette 570nm	Additional filter cassette as optional
1100-1318	Filter cassette 650nm	Additional filter cassette as optional
1100-1319	Filter cassette 600nm	Spare filter cassette
1100-1320	Trungsten Halogen Lamp	Spare halogen lamp

\* Convergent Technologies reserves the right to change any of the specifications without prior notice.

\*\* Full specifications are available on request