

HIDEX



Hidex **Sense** Microplate Reader

# Do you want your research to make an impact?

With the right tools we guarantee you can focus on your work.

The Hidex Sense microplate reader is loaded with several unique and innovative features to provide full flexibility and top performance.

With touchscreen operated software and the compact application ready microplate reader, we turn your applications into results, simply at your fingertip.





# For every assay in the lab

Regardless of technology, the Hidex Sense is ready to use with minimal setup.

Protein quantification, enzyme activity and other photometric assays benefit from results in spectral format. Ultrafast readout is obtained in the Hidex Sense with a high sensitivity spectrograph. The complete sample spectrum, or simultaneously up to 10 separate wavelengths, can be scanned in less than a second.



Kinetic assays often require an immediate series of measurements after the addition of reagents. The Hidex Sense integrated dispenser system offers comprehensive injection procedures with true real time readout and anti-foaming injection head technology. The dispenser head is very comfortable to handle, with direct access to the injector tips for inspection, priming and rinsing.

The Hidex Sense is available with digitally controlled high accuracy gas mixing system for cell viability, hypoxia and other cellular assays. The CO<sub>2</sub> and O<sub>2</sub> concentrations are easily managed from the touch screen. Combined with wide range temperature control, advanced shaking options, bottom read, and automatic focus adjustment, the Hidex Sense is a perfect platform for live cell studies.

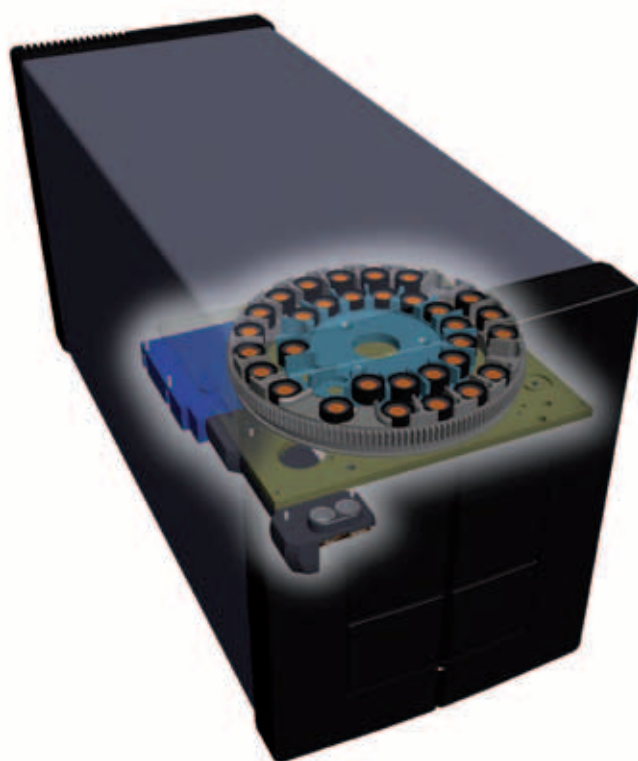
# Performance beyond comparison

A dedicated high sensitive, low noise detector gives the best possible sensitivity for your luminescence assays. The unique automatic detector microplate touch control ensures optimal geometry with minimal cross-talk.

Have you ever had to compromise between monochromator flexibility and filter technology sensitivity?

This is now history with the Hidex Sense wavelength selection system, which covers the entire spectrum with no compromise on sensitivity. Combined with fibreless optics and multiple dichroic beam splitters, the Hidex Sense is truly designed for ultimate performance.

This together with the comprehensive assay library ensures direct readiness for all labels and applications in your lab, today and in the future.



## From samples to results, simply at your fingertip

Easy to get  
started with

Comfortable  
to use

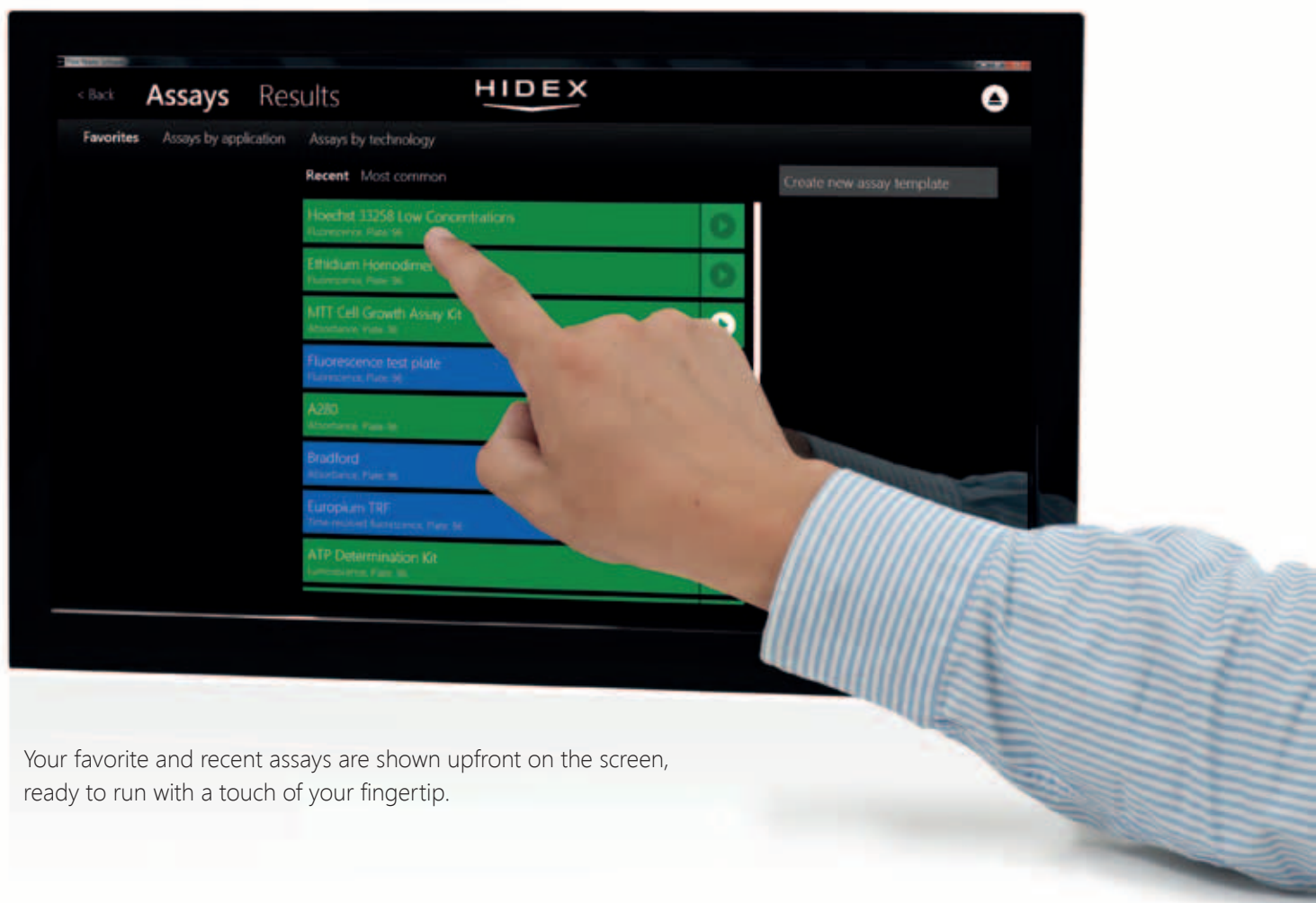
Touchscreen  
operated

Compact size

# With effortless operation

The Hidex Sense will help your lab become more effective. The user interface is designed to make the operation safe and comfortable with minimal operator training. The software is independently rated the highest usability level "Excellent" on the international System Usability Scale (SUS).

The Sense software can also be operated in "office" mode for off-line data handling. Data management on several workstations is further supported with convenient data transfer functionality and free rights for an unlimited number of users.



Your favorite and recent assays are shown upfront on the screen, ready to run with a touch of your fingertip.



# Specifications **Sense** 425-301

## Detection limits

|                            |  |
|----------------------------|--|
| Fluorometry top            | < 0.05 fmol / 384 well                                     |
| Fluorometry bottom         | < 0.15 fmol / 384 well                                     |
| Photometry spectral range  | 220 nm – 1000 nm (spectral readout)                        |
| Luminescence (glow)        | < 50 amol ATP / 96 well                                    |
| Time Resolved Fluorescence | < 1 amol / 384 well  |
| Fluorescence Polarization  | < 3 mP SD / 96 well plate                                  |
| Plate types                | 1 – 1536 well  |
| Shaking                    | Linear, Orbital, Double orbital, with adjustable intensity |
| Temperature Control        | Ambient + 2°C to 65°C                                      |

## Optional features

|                       |  |
|-----------------------|--|
| Integrated dispensers | 1 or 2 channel, real-time detection                                      |
| Direct luminescence   | < 6 amol ATP / 96 well   |
| Gas control           | Digital three gas mixer, CO <sub>2</sub> (0-20%), O <sub>2</sub> (0-18%) |
| AlphaScreen®          | < 8.0 ng/mL Omnibead™  |
| Dimensions            |  |
| Width/Height/Depth    | 20cm/ 28cm/ 49cm (8"/ 11"/ 19")  |
| Weight                | 13kg (29 lbs)  |

## About Hidex



**Hidex is a family owned high technology company** which develops and manufactures high performance analysis equipment for life science research, nuclear measurements and nuclear medicine. Our products utilize modern technology and excellent tradition of workmanship. With strong links to the scientific community we continue to innovate and develop to improve scientific research and safety of everyday life.