

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.

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, 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 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 CO₂ and O₂ 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 incubation and live cell studies.

The Sense stacker system offers a compact high throughput solution with magazine capacity for up to 72 pcs 384 well microplates. The proven and robust design ensures user convenience and safe microplate handling. For medium and largescale automation solutions, the Sense has automation readiness with a standardized software interface making it very easy to integrate.

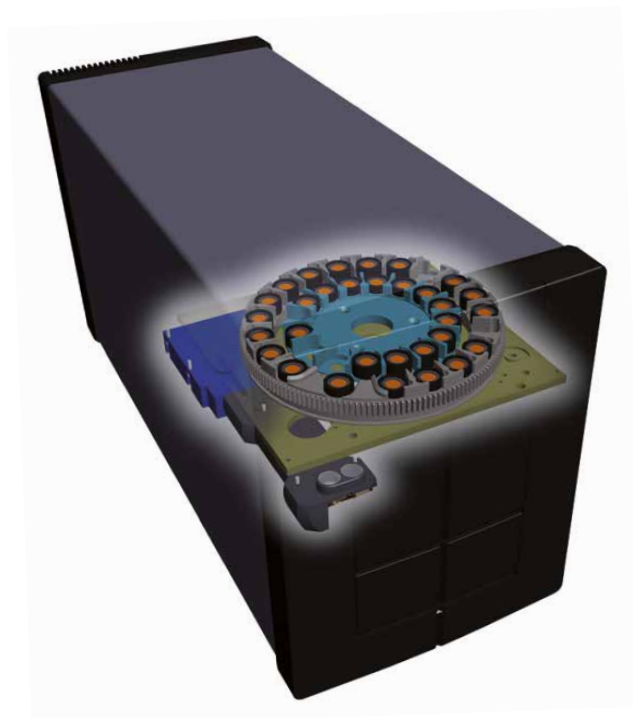
Performance beyond comparison

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

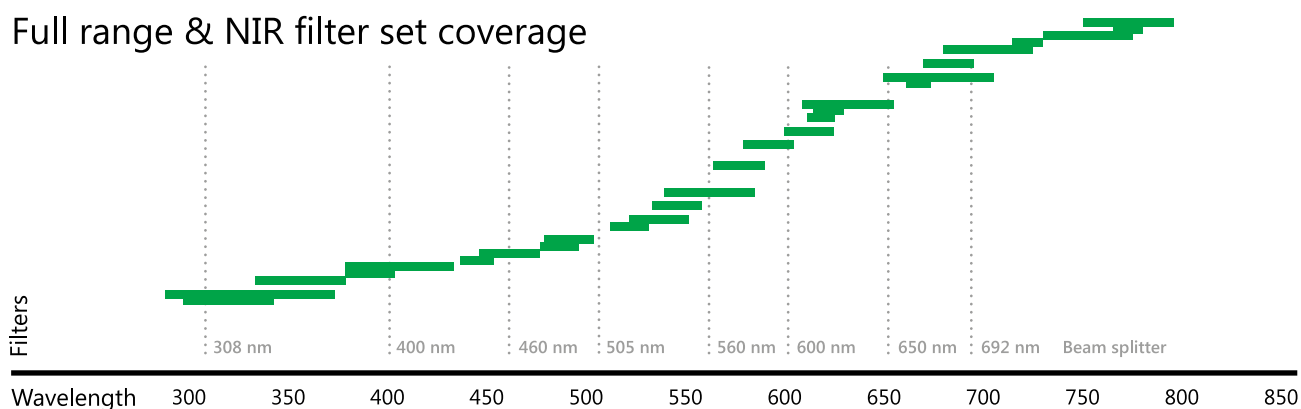
Have you ever had to compromise between monochromator flexibility and filter technology sensitivity?

This is now history with the Hidex Sense full range wavelength control system, which covers the entire spectrum with uncompromised sensitivity. Combined with automatic variable light path apertures, dichroic beam splitters and fiber-less optics, 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.



Full range & NIR filter set coverage



Sense wavelength coverage with full range and NIR filter sets installed.

From samples to results, simply at your fingertip

Easy to get started with

Comfortable to use

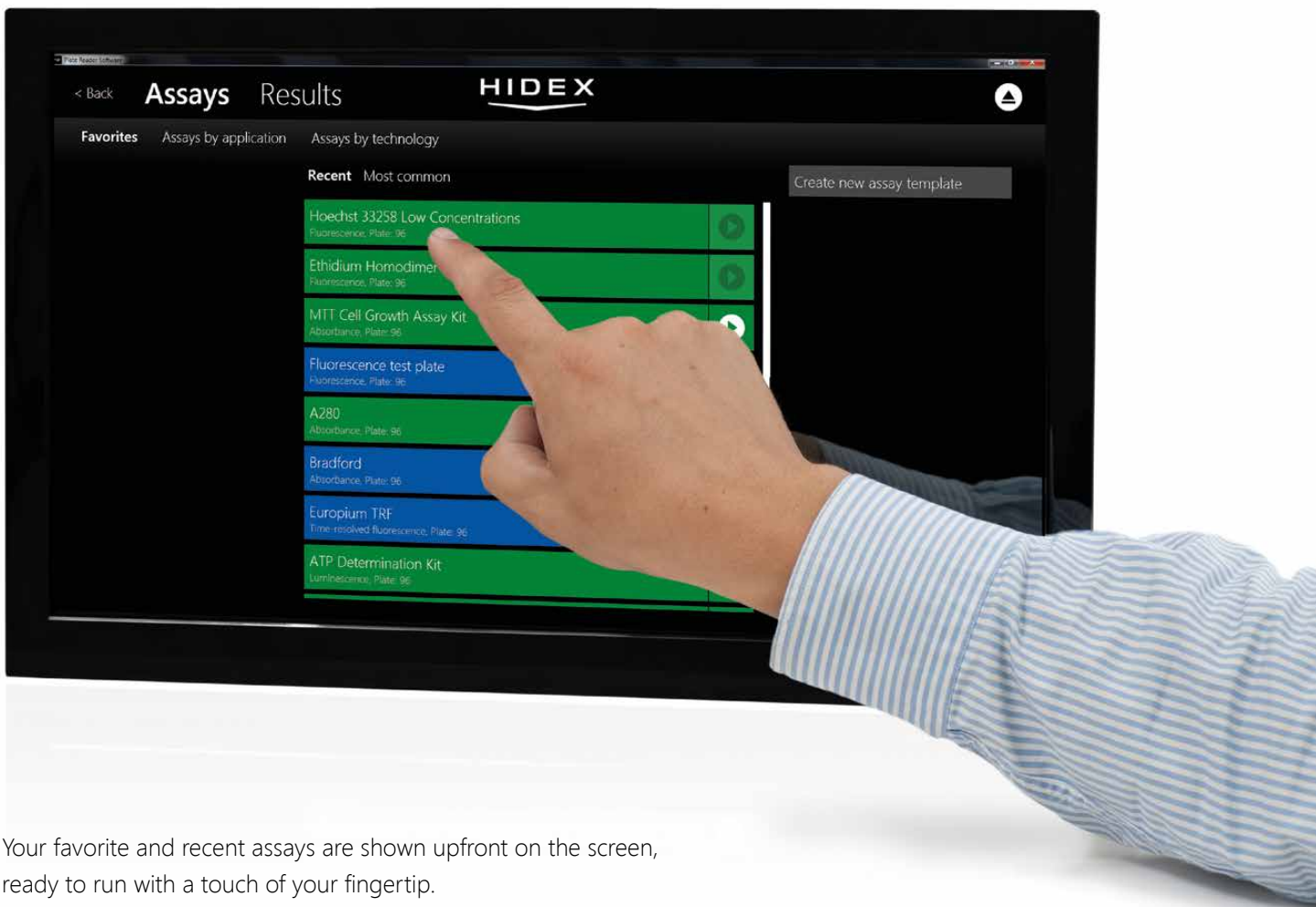
Touchscreen operated

Compact size

Effortless operation

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).

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	< 0.010 fmol / 384 well
Fluorometry bottom	< 0.05 fmol /384 well
Photometry spectral range	220 nm – 1000 nm (spectral readout)
Luminescence (glow)	< 20 amol ATP / 96 well (Glow)
Time Resolved Fluorescence	< 0.25 amol Eu / 384 well
Fluorescence Polarization	< 1 mP SD / 96 well
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 (glow)	< 6 amol ATP / 96 well
Gas control	Digital two gas mixer, CO ₂ (0-20%), O ₂ (1-20%)
AlphaScreen/AlphaLISA®	<100 amol (P-Tyr-100 Insulin Receptor Tyrosine Kinase)
Dimensions	
Width/Height/Depth	20cm/ 28cm/ 49cm (8"/ 11"/ 19")
Weight	13kg (29 lbs)
Stacker	Capacity 25 or 50 plates

Dimensions

Width/Height/Depth	20cm/ 28cm/ 49cm (8"/ 11"/ 19")
Weight	13kg (29 lbs)



Hidex is a family owned high technology company which develops and manufactures high performance analysis equipment for life science research, radiation measurement 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.

Today more than 3000 Hidex precision instruments are at service in leading laboratories worldwide as well as in some of the hardest conditions on the planet. Jungles and deserts, oil platforms and ocean going vessels – even submarines are no challenge for Hidex instruments.

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