

HIDEX



Hidex **Sense** Microplate Reader

# Your scientific research is important to us

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

The Hidex Sense microplate reader is loaded with several unique innovative features to provide full flexibility at 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. The comprehensive assay library of the software in combination with extensive instrument measurement capability offers immediate access to all your applications.

A versatile optical filter storage system with capacity to hold up to 32 optical filters ensures direct readiness for all applications in your lab.



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

# HIDEX

## 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. Straightforward application focused operation minimizes time spent on instrument training, and is essential for superior results.



Many assays require immediate measurement, or a series of kinetic measurements, after the addition of reagents. The Hidex Sense integrated two channel dispenser offers flexible injection procedures and anti-foaming injection head technology. Injection can be done either by well or by plate, for fast reactions or to maximize throughput. The innovative design makes the dispensers very comfortable to handle, with direct access to the injector head for priming and rinsing.

Cellular assays benefit reading from below the sample well. The Hidex Sense features the powerful combination of dispensing and real time readout, whether you need to measure fluorescence, time resolved fluorescence, fluorescence polarization or luminescence.

A separate high sensitive, low noise luminescence detector with direct microplate contact gives single cell sensitivity for the most demanding assays.

All this makes the Hidex Sense suitable for high speed kinetic studies, and enables any kind of assay without limitations.

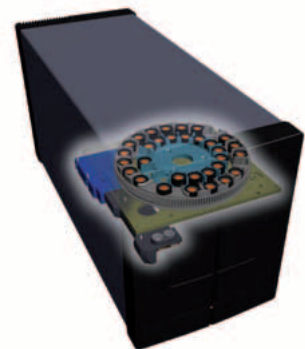
# Performance beyond comparison

Protein quantification, enzyme activity and other photometric assays benefit from the recording the spectrum. Ultrafast full spectrum readout is obtained in the Hidex Sense by using a high sensitivity spectrograph. The sample spectrum is scanned in less than a second, with no compromise of sensitivity.



Utilizing filter technology for fluorescence applications gives the best possible sensitivity and reading speed. The filter storage provides full flexibility with capacity for 32 filters. Uniquely the same filters can be used for both excitation and emission with unlimited flexibility.

The Hidex Sense is designed with special attention to compact dimensions and low energy consumption, offering unseen flexibility to place and handle the reader in robotic integration, environment control cabinets or where space is otherwise limited.



## From samples to results, simply at your fingertip

Easy to get started with

Comfortable to use

Touchscreen operated

Compact size

## Specifications **Sense** 425-301

### Detection limits

Fluorometry	< 0.15 fmol / 384 well
Fluorometry (bottom)	< 0.5 fmol / 384 well
Photometry spectral range	230 nm – 1000 nm
Luminescence (glow)	< 50 amol ATP / 96 well
Time Resolved Fluorescence	< 3 amol / 384 well
Fluorescence Polarization	< 5 mP SD / 96 well plate

### Other features

Plate types	1 – 1536 well
Shaking	Linear, Orbital Double orbital, with adjustable intensity
Temperature Control	Ambient + 2°C to 65°C
Bottom read	Fluorescence, luminescence, TRF, FP

### Optional features

Integrated dispensers	1 or 2 channel, real-time detection
Direct luminescence	< 6 amol ATP / 96 well

### Dimensions

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

Data and specifications are subject to change. Hidex reserves the rights to alter specifications

## 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.

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