

HIDEX



Hidex **Sense Beta Plus** Microplate Reader

# The new dimension of versatility

Our mission is to help your laboratory become more effective and make your work a pleasure by providing user-friendly instruments with ultimate performance and versatility.

The Hidex Sense Beta Plus microplate reader uniquely combines liquid scintillation, beta and gamma counting, high sensitivity luminescence, prompt and time resolved fluorescence, fluorescence polarization and spectral absorbance detection into one very compact instrument.



Now you can use the same instrument for GPCR assays utilizing fluorescent labels as well as receptor binding filtration and scintillation proximity assays, ELISA assays, kinase, radio immunoassays, cell proliferation and toxicity assays.

The optional reagent injectors can be uniquely operated with the LSC function. Injection of radiolabelled compounds enables kinetic studies, which have never before been possible.

In addition to the liquid scintillation counting mode, the Hidex Sense multimode microplate also features ultrafast full spectrum photometric readout in less than a second

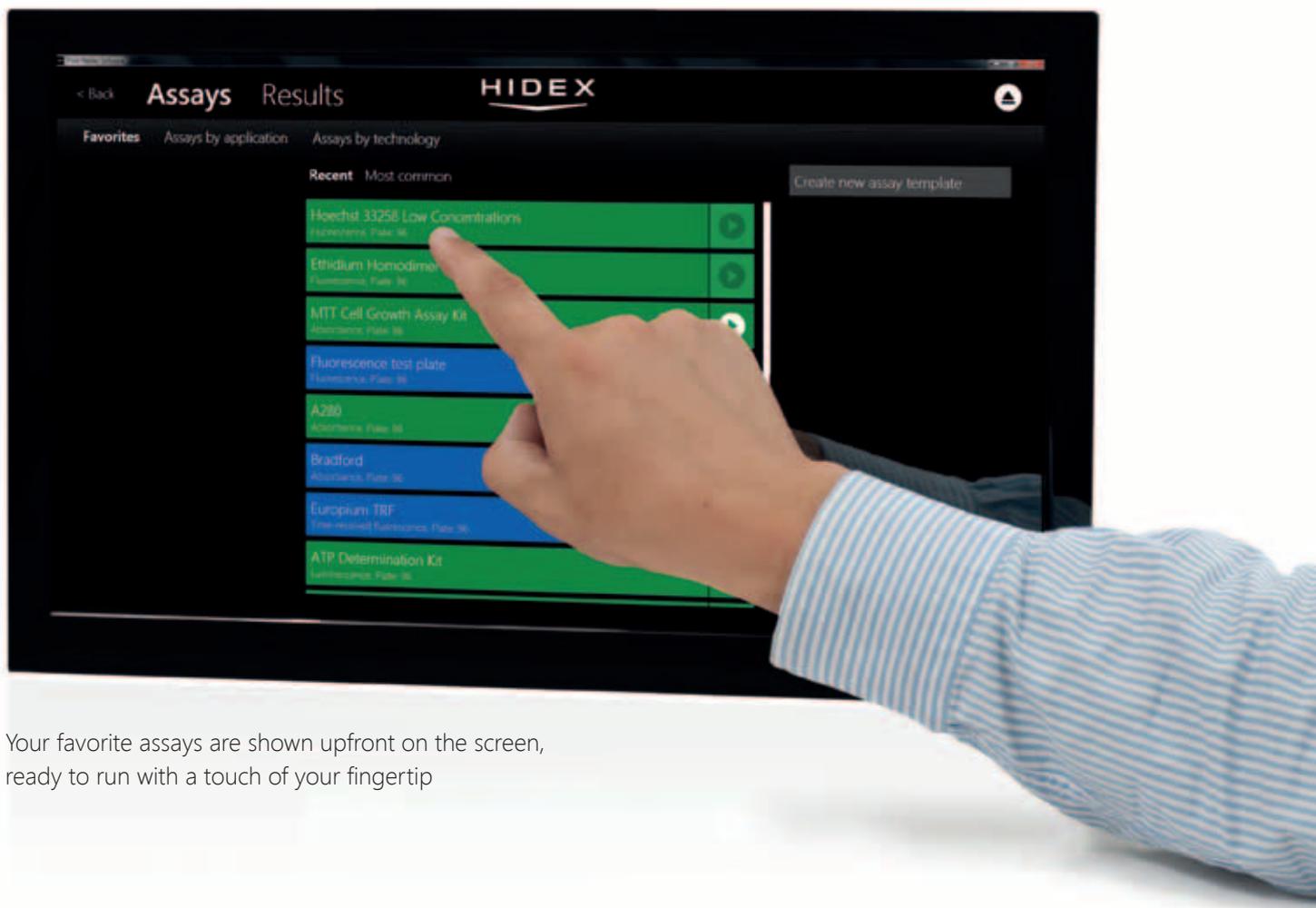
Together with an exceptionally wide range temperature control you will be able to run a variety of demanding cellular assays as well as biochemical kinetic studies with unseen flexibility.

- Liquid scintillation counting
- Scintillation proximity assays
- Filter plates, e.g. UniFilter™ Plates
- Filtermats
- Lumaplates®
- Solid scintillators, e.g. MeltiLex®
- 24, 96, 384 well microplates
- Eppendorf tubes
- All common non-radioactive type assays
- Photometric assays with spectral read

# With effortless operation

Regardless of technology, the Hidex Sense is ready for use with minimal setup. The comprehensive assay library in combination with extensive instrument measurement capability offers immediate access to all your applications. The software also includes results presentation and functionality for DPM results and Beta spectrum analysis.

All this together makes the Hidex Sense Beta Plus microplate reader the most versatile reader available today.



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

## From samples to results, simply at your fingertip

Easy to get started with

Comfortable to use

Touchscreen operated

Compact size

## Specifications Sense Beta Plus 425-311 / 425-312

|                                      |   |
|--------------------------------------|---|
| <b>Liquid scintillation counting</b> | LSC mode beta and gamma emitters on up to 2000 keV  |
| Plate types                          | 24, 96, 384 well plates   |
| Counting efficiency                  | <sup>3</sup> H 50% ±3%, <sup>125</sup> I > 65%, <sup>14</sup> C > 90%<br>(96 B/W Isoplate, 10µL organic sample + 190 µL MaxiLight cocktail) |
| Background                           | < 80 CPM.   |
| Cross-talk                           | < 0,05 %, for H-3 and C-14 on PE white&black Isoplate™  |

### Non-radioactive detection (Applies only for Sense Beta Plus 425-311)

|                            |  |
|----------------------------|--|
| Fluorometry Top/Bottom     | < 0.15 fmol / 384 well / < 0.5 fmol / 384 well |
| Photometry spectral range  | 230 nm – 1000 nm                               |
| Filter Luminescence        | < 50 amol ATP / 96 well                        |
| Direct Luminescence        | < 6 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 with well bottom read |
|-----------------------|---|

### 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. Unifilter is a trademark of GE Healthcare. Lumaplates and MeltiLex are registered trademarks of PerkinElmer, IsoPlate is a trademark of PerkinElmer,

## 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.

## Contact Hidex

### Call us

Tel. +358 10 843 5570  
Fax. +358 2 241 0075

### Address

Mustionkatu 2  
FIN-20750 Turku  
Finland

### E-mail

info@hidex.com  
firstname.lastname@hidex.com

[www.hidex.com](http://www.hidex.com)