

The logo features a stylized white 'L' on the left, with a curved line extending from its top and bottom to form a shape resembling a logic gate or a stylized 'S'. To the right of this symbol, the word 'LabLogic' is written in a white, bold, italicized sans-serif font. The entire logo is centered on a solid blue background.

LabLogic

Hidex Sense



Hidex has a long history of microplate readers

However...

We decided to revisit the entire concept

Reach out to scientists to discuss today's needs

The outcome...



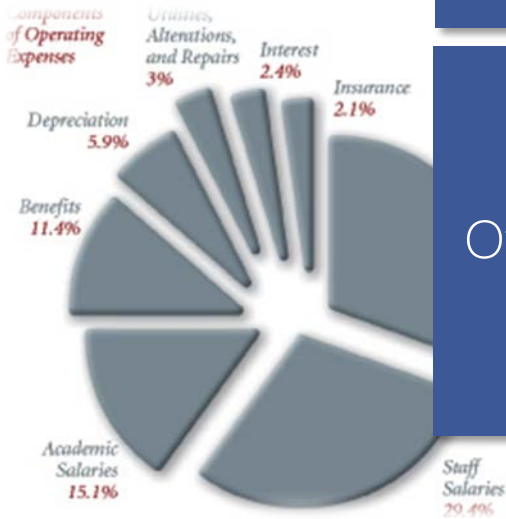
Engage +100 man-years of engineering experience
Create a completely new reader from start
Utilize only best known technologies of today!

Laboratory challenges today



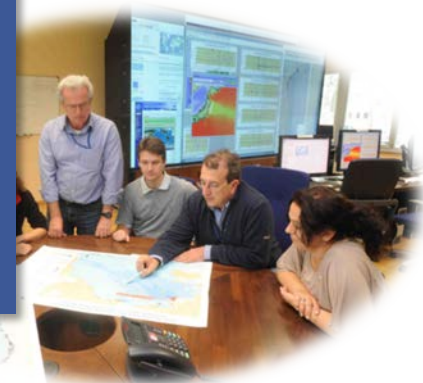
Expanding application diversity

Challenging assays



Overall savings

Laboratory efficacy



Meeting the challenges!

Expanding application diversity

- ✓ Manage multi-user environment
- ✓ Provide application flexibility
- ✓ Direct assay readiness
- ✓ Support occasional users

Challenging assays

- ✓ Handle limited sample supply
- ✓ Best possible sensitivity
- ✓ Avoid user mistakes

Overall savings

- ✓ Effective equipment sharing
- ✓ Save reagent expenses
- ✓ Less service and downtime
- ✓ Streamlined operations

Laboratory efficacy

- ✓ Focus on Science and Results
- ✓ Effective operator time
- ✓ Less assay turnaround time
- ✓ Access with no learning curves

The Hidex Sense mission

Simply to meet laboratory needs...



Flexibility

- All detection modes
- Best-in-class Software
- Accessories

Performance

- Effective and simple
- Sensitive
- Fast

Cost Savings

- No user training
- Direct assay readiness
- Robust

... simply by being best-in-class!

Intuitive Software

- > Visual, no learning curve
- > No mistakes – reliable/reproducible results
- > Comfortable operation
- > Touch screen with full keyboard compatibility
- > Ready to go - comprehensive assay library
- > Rated “Excellent” on international System Usability Scale (SUS)
- > Key to best-in-class lab efficacy!

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Sense Usability - SUS

International System Usability Scale (SUS)

- > Systematic approach with qualitative measures
- > Measured by Effectiveness, Efficiency and Satisfaction
- > Test users of many nationalities and knowledge
- > Numeric SUS score of the usability level 0–100

Sense user interface

- > 92% of users manage without any assistance
- > Sense software rated **"Excellent"** in independent tests!

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Usability	Score
Below average	<68,0
Average	68,0
Good	>68,0
Excellent	>80,3

Unique filter storage

- > Provides unseen flexibility
- > Direct access to a wide range of applications
- > Each filter accessible for both emission and excitation
- > Filter technology best known for fluorescence sensitivity!

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Dichroic beam splitters

- > Default set optimized for all common labels
- > 5 mirrors on-board in a convenient slide holder
- > User accessible at front panel lid
- > Extra mirror slides available
- > Best know technology for sensitivity!

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Absorbance Mode

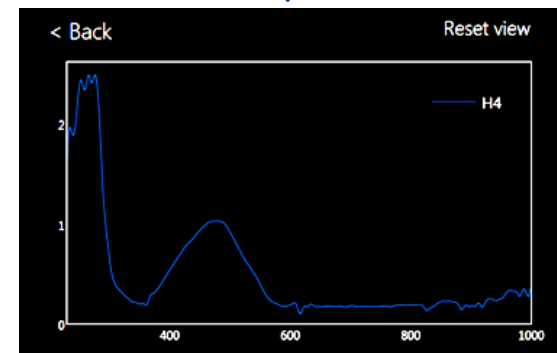
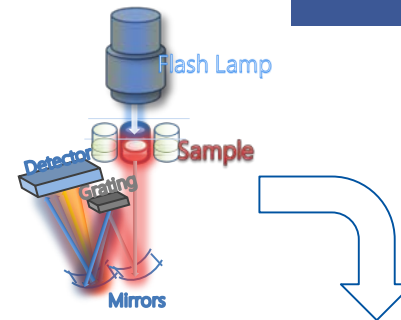
- > Spectrograph detector (diode-array)
- > Full spectrum <0.5s
- > Range 220-1000nm
- > OD ratios with single readout
- > Simultaneous kinetics for up to 10 separate wavelengths
- > Best known technology!

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Direct Luminescence

- > Optional in Sense, standard in Sense Beta Plus
- > High sensitivity $<6\text{amol ATP / Well}$
- > Low background PMT dedicated for luminescence
- > Automatic movement of PMT against top of each well
- > Software adjustable round & square shaped apertures

Flexibility

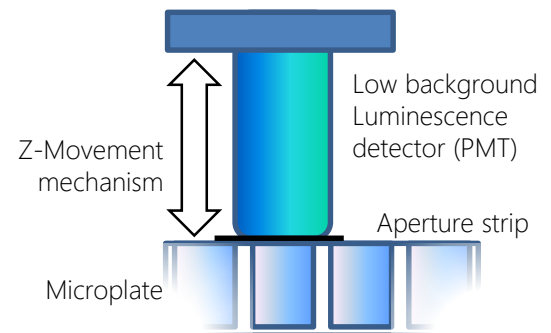
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Sense Dispensers

- > Offers flexible injection protocols for demanding assays
- > Anti-foaming injection head technology
- > Injection & readout by well for fast kinetics
- > Injection by plate for maximal throughput
- > Direct user access to injector head - removable
- > Optional, available with one or two pumps

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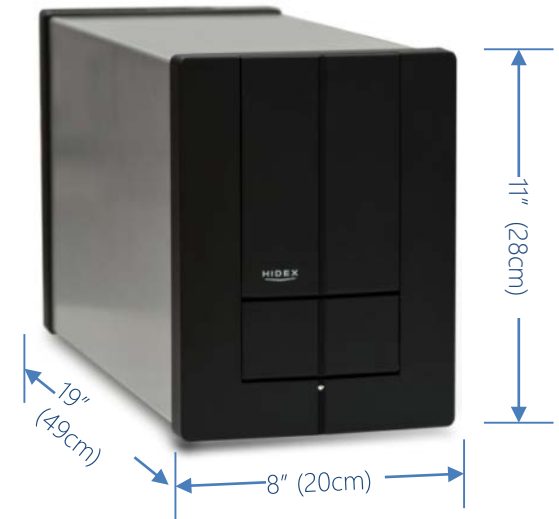


Innovative Design

Flexibility

All detection modes
Best-in-class Software
Accessories

- > 6 detection modes, including LSC
- > 1–1536 well plates
- > Fast, 96 well plate in < 20 seconds
- > Temperature control +2..65°C
- > Dispensers with real-time detection
- > Very compact, 8" (20 cm) wide
- > Easy to handle, 29 lbs (13 kg)
- > Energy saving hardware design; < 30W



Low volume DNA assays

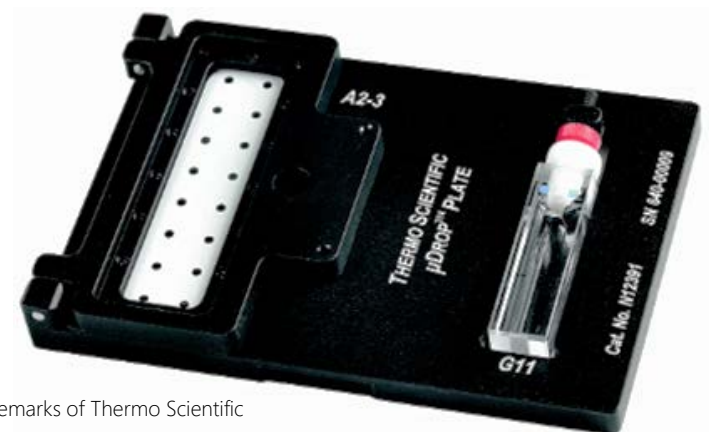
- > μ Drop™ plate now available from Hidex
- > DNA assays with 2 μ L – 10 μ L samples on Sense
- > NanoDrop™ applications on Sense
- > Position for standard 1cm cuvette
- > Tech note available at Hidex Webpages

Flexibility

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Best-in-class Software
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NanoDrop and μ Drop are trademarks of Thermo Scientific

Hidex Sense models

Flexibility

All detection modes
Best-in-class Software
Accessories

Two different models available:

Sense

All common non-radioactive technologies

Optional modules:

Direct Luminescence

Dispensers

Gas Control

Alpha Screen

Sense Beta Plus

All common non-radioactive technologies

Radioactive detection - LSC

Direct Luminescence

Optional modules:

Dispensers

Gas Control

Alpha Screen

Hidex Sense Benefits – Summary

Touch screen
operated

- ⇒ Effortless and straightforward workflow
- ⇒ Optimal results with no mistakes
- ⇒ Minimize time spent on instrument training

Assay readiness

- ⇒ Minimal assay setup needs
- ⇒ Better lab efficacy with focus on research
- ⇒ Same results independent of operator

Absorbance
spectrograph

- ⇒ Full spectrum readout at <0.5 sec per sample
- ⇒ Optimal flexibility for various photometric assays
- ⇒ Spectral data stored for data analysis

Hidex Sense Benefits – Summary

Fluorescence with filters

- ⇒ Best-known technology for sensitivity & speed
- ⇒ Unique filter storage ensures full flexibility
- ⇒ High sensitivity read for cell based assays

On-board storage for 32 filters

- ⇒ Direct readiness for all common applications
- ⇒ Save time with less manual interaction
- ⇒ Minimize finger contact with filters

Compact & Energy saving

- ⇒ Only 8" (20cm) wide, saves desk space
- ⇒ Easy to handle and move
- ⇒ Generating less heat in the environment

Thank you!