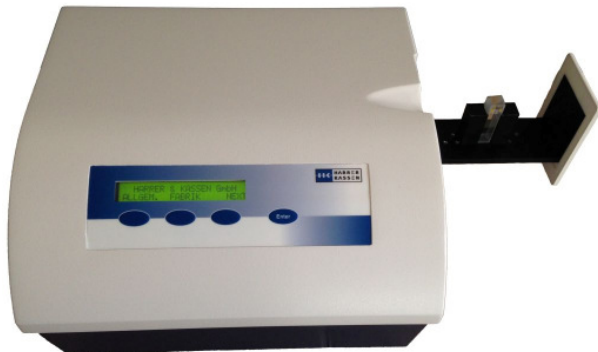


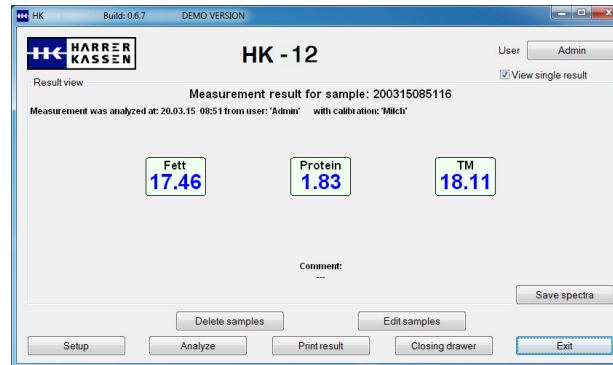
## Evaluation unit

|                           |  |
|---------------------------|--|
| <b>Housing:</b>           | - ABS plastic                              |
| - Size HxWxD              | - 340 x 375 x 255 mm                       |
| - Weight                  | - 3,7 Kg                                   |
| - Colour                  | - RAL 9002                                 |
| <b>Connections</b>        |  |
| - Power supply            | - 100-240V AC                              |
| - PC interfaces           | - USB                                      |
| <b>User interface</b>     |  |
| - Operating               | - 4 soft keys integrated in keypad         |
| - Display                 | - 2 x 24 characters illuminated in display |
| <b>Ambient conditions</b> |  |
| - Environment temperature | - -20 °C - +40 °C                          |
| - Product temperature     | - >0 °C - +70 °C                           |



## Calibration

The calibration of the HK12 can be made either in-house (at the Harrer & Kassen GmbH) or on your own behalf with the SPECTER software!



HARRER & KASSEN GMBH

# HK12

## NIR-TECHNOLOGY

### LABORATORY INSTRUMENT

FOR LIQUID PRODUCTS WITH DIFFERENT CONSISTENCIES



Harrer & Kassen GmbH

Am Heschen 4 - 6

D - 75328 Langenbrand

Tel.: +49 (0)7084/9248-0

Fax: +49 (0)7084/9248-29

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

[info@harrerkassen.com](mailto:info@harrerkassen.com)



## Unique NIR - technology!

### Field of application:

- Liquid products with different consistencies

Our newly developed HK12 is suitable for the simultaneous determination of up to 10 organic components in liquid products with different consistencies. Additionally, 5 further components can be calculated out of the measured components. It complements our laboratory device particuLAB in a perfect way, which is suitable for the measurement of solid, pasty and powdery products.

### Principle:

The HK12 is an instrument, equipped with state-of-the-art NIR- technology for rapid laboratory analysis of liquid products with different consistencies.

## THE FACTS!



Unique NIR - technology!



No drift of the measurement values caused by lamp aging!



Calculation of up to 10 organic components and 5 further components via calculation!



Simultaneous measurement of up to 10 organic components!



The measurement is not influenced by product colour!



Measurement in cuvettes, 10mm x 10mm, 10mm x 20mm and 10mm x 40mm!



Maintenance free!



Easy to use software!



You can make your own calibrations!

## OUR KNOW HOW! YOUR SUCCESS!



Longstanding experience in NIR - technology



Guarantee for constant and documented quality!



Saving through prevention of wastage and rejects!



With ca. 3,7 Kg our HK12 is a flyweight under the laboratory instruments!

