

# Microwave-Measurement

applications in the pulp and paper industry

## Compact consistency measurement for the paper industry

compact version

# HK1-C



evaluation unit HK1-C  
with pinantennas

compact version

rugged design

quick connection

plug and play

softkeys

remote control

0/4-20mA

RS232 / RS485

-20 to +85°C

Latest digital microwave technology at 2,45 GHz.

## Compact microwaves for a compact price

The measurement is useful for the detection of starches, acids and leaches. In the different engineering processes the lignin concentration of water can be analysed and detected. Application specific parameters as grain size, fiber length, density or colour have no influence to the measurement. The HK1-C provides a linear current signal of 0/4-20 mA, which is proportional to the measured concentration.

**The evaluation unit HK1-C is a compact version.**

**The pinantennas are fixed connected with the housing. Pinantennas for the measurement at pipes and tanks with a standard flange DN80 PN6, distance 65mm, dip in length 195mm.**

**Rugged design: alu housing IP65  
No moving parts, no wear and tear,  
vibrations have no influence to the result of  
measurement. Suitable for the use in raw  
field environment. No maintenance necessary.  
In case of unfavourable conditions an  
alternative remote control with PC or separate  
operating device is possible.**

**Basic calibration at delivery,  
simple start-up with  
one-point calibration**

success through innovation

## 25 years experience

T: +49-(0)7084-928410 F: +49-(0)7084-928429

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

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



Harrer & Kassen GmbH

Am Heschen 6  
75328 Langenbrand  
Germany

