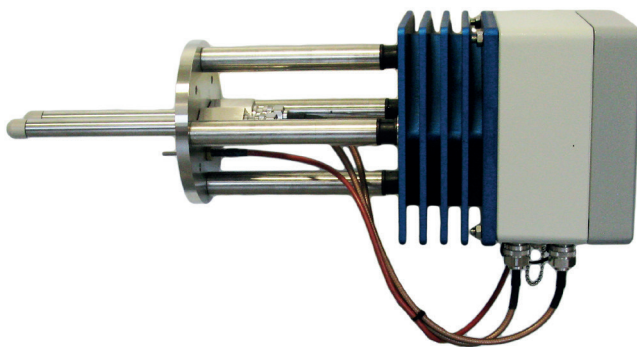


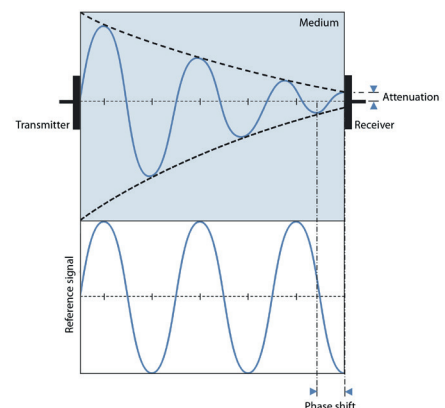
AIO-Device: All-in-One

- Inline Concentration Control with microwaves
- for continuous and batch vacuum pans and also for other applications
- flange mounted
- easy to install
- All-in-One: microwave module, Pt100, insertion sensors, cables, installation flange,
- including effective cooling system
- calibration via bluetooth connection



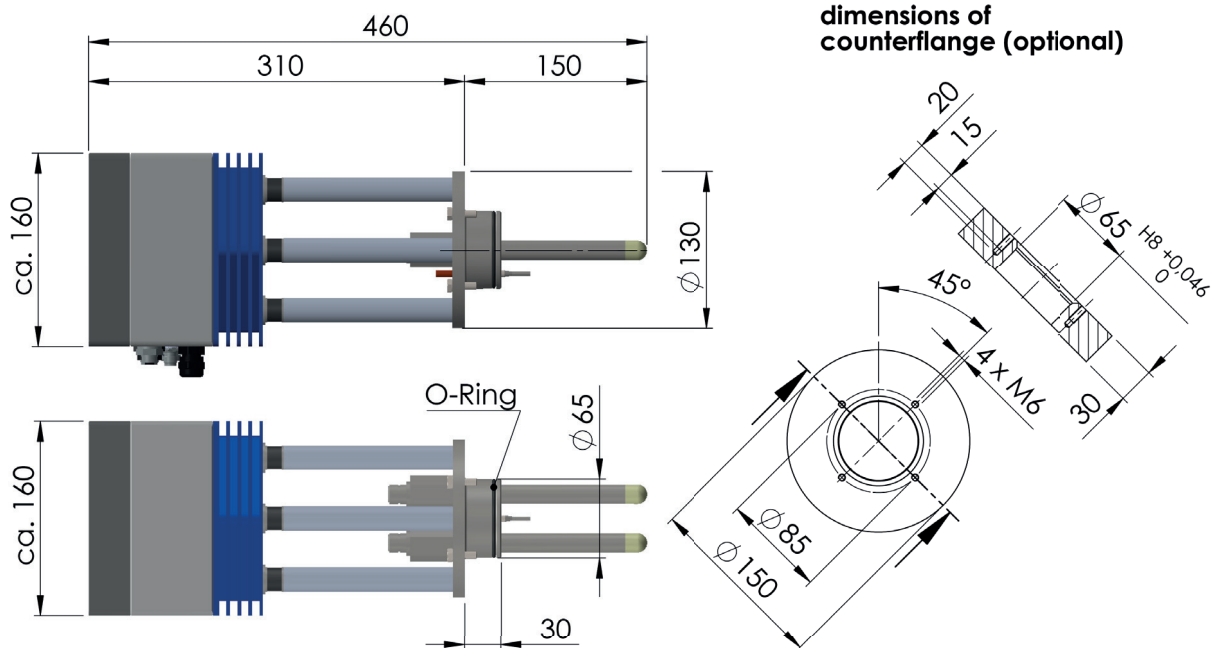
The measurement principle

Microwave concentration measurement is based on the principle that microwaves are absorbed by free water molecules. The measurement signal therefore experiences a phase shift in comparison to a reference signal and a damping of the amplitude, i. e. the measurement correlates with the water content of the medium. From this information it is calculated a value for the water content, density or total dry matter.



Technical data sheet

Housing	Aluminium wall housing, protection IP65, ca. 160 x 160 x 120 mm
Weight	ca. 8,5 kg
Mounting	Flange connection 4 x M6 on $\varnothing 85$
Counter flange dimensions	Inner diameter $\varnothing 65$ mm H8, outer diameter 150 mm
Power supply	24 V DC, max. 1.000 mA
Microwave	Extremely stabile phase, attenuation and level measurement with PLL-synthesizer, 2.45 GHz, transmission performance 10 mW, 10 dBm
Microwave cable	2 coaxial cables 50 Ω included
Handling	Smartphone via bluetooth connection
Output	4-20 mA isolated output for concentration, load max. 500 Ω
Data interface	Bluetooth for calibration, data output and data recording via smartphone, internal USB interface for software update
Data memory	via smartphone
Environment temperature	0 to 50°C
Temperature compensation	Pt 100 with two-wire-system



all dimensions in mm

dimensions of counterflange (optional)

Subject to technical changes

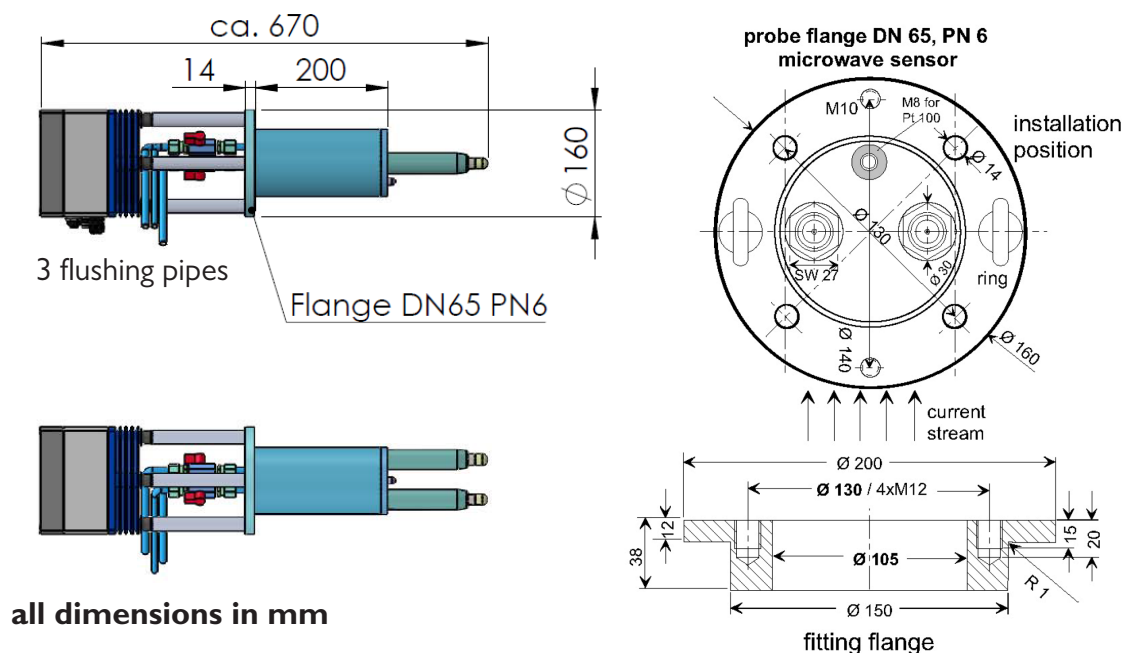


- available for all types of continuous crystallizer vacuum



- optional with integrated Cleaning-in-Place (CIP) system for the continuous crystallization

dimensions of counterflange (optional)



Subject to technical changes



proMtec

highly concentrated know how

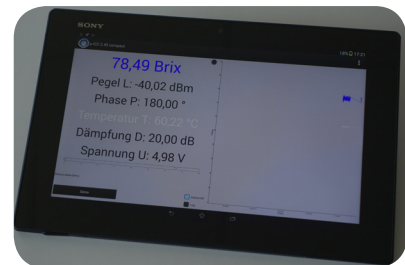
New

System configuration and calibration using **BLUETOOTH REMOTE CONNECT ANDROID APP** on your smartphone



Bring your own device (BYOD), your own tablet or smart phone powered by Android™ and use our **application** as user interface for the controller.

Find this application on Google Play Store!



Powered by Android™



bluetooth
remote
connect

