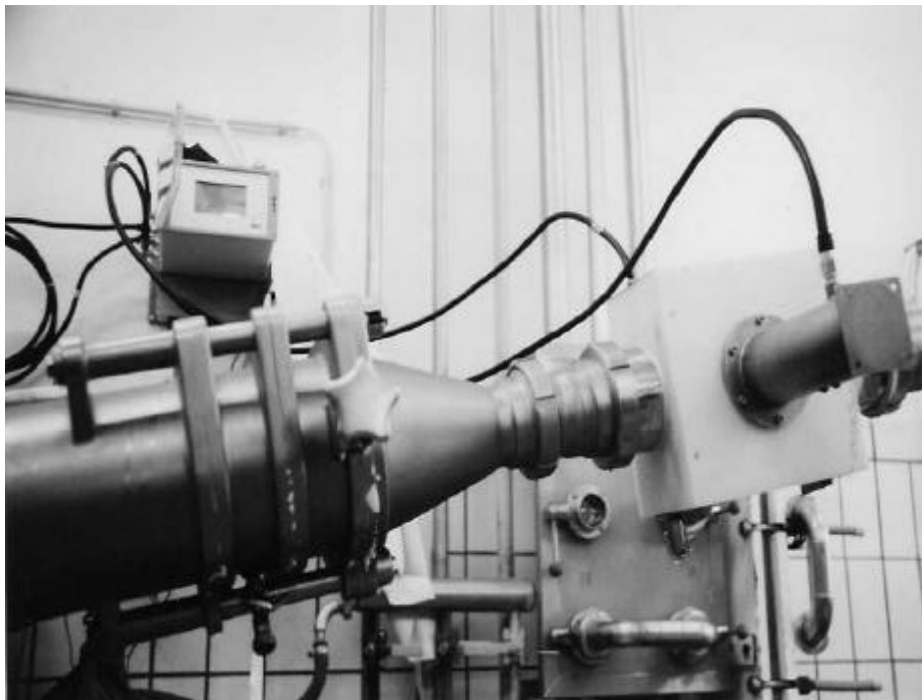

Microwave Moisture Measuring in the Dairy - Industry



Advantages:

- **accurate** high selectivity on water
 accuracy < 0,2 %, butter, cream cheese, jogourt
- **inline** easy to install in existing pipes
- **representative** sensing of a large percentage of the material flow due to the
 transmission geometry. The whole volume, not only the surface is
 analyzed



Technical Specifications

PMD 2450

cabinet	protection IP 65	weight 9.0 kg dimension 30.5*24*37.5cm (H * W * D)
display	touch screen 114mm x 64mm graphical display 128 x 256 Pixel	display back light with automatic shut down touch screen Matrix 6 x 16
power requirement	90 - 260 Volt AC, 45 - 65 Hz	
measuring principle	microwave-transmission measurement: The measured material is transmitted with microwaves.	attenuation and phase shift caused by the material is determined.
microwave	frequency: 2.4 - 3.0 GHz transmitted power: < 0,01 mW dynamic range: 50 dB	precision: < 0,2 dB, < 0,2° / GHz synchronisation with optional weight compensation.
I/O connectors	microwave	2 N-connectors for input and output 2 N-connectors for reference cable
	counter: area weight compensation tachometer	max. 6 counters 16 bit opto-coupled pulse width > 0,5 µs voltage 4,5 V - 30 V
	digital input signals measurement (start/stop) sampling (start/stop) batch (start/stop) belt signal (start/stop)	8 digital input, opto-coupled
	digital output signals alarm outputs system error manage	4 digital output open collector opto coupled or relays
	analogue input signals area weight compensation temperature	2 x 0/4 - 20 mA oder PT 100 analog input, 12 bit, galvanically isolated
	analogue output signals	4 x 0/4 - 20 mA analogue out, 12 bit, galvanically isolated
	serial interface	1 serial interface alternatively RS 232 or RS 485
sensor	different antennas or measuring cells	



INDUTECH GmbH
Ahornweg 6-8
D-72226 Simmersfeld

fon: + 49 7484 92 97-31
fax: + 49 7484 92 97-33
email: info@indutech.com
internet: www.indutech.com

representative:

PT. TAWADA SCIENTIFIC
Rukan Permata Senayan A/20-21
P: 021-57941139
E: sales@tawadascientific.com
W: www.tawadascientific.com