Zumbach

SWISS PRIME MEASURING SINCE 1957

Eccentricity and Wall Thickness
Measurement with Novel Transducer holder

UMAC® RZ35/65

For tube and hose up to ø 65 mm (2.5 in.)

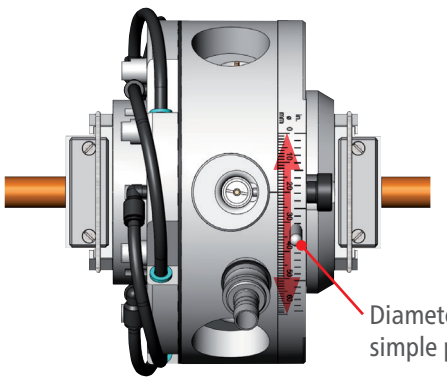
These brand new UMAC® RZ transducer holders (pat. pend.) for ultrasonic measurement represent a smart and simple solution for in-line wall thickness measurement. Measured data acquisition and processing takes place by means of the high-tech processor UMAC® CI from ZUMBACH. The operation and display is realized with USYS IPCe WALLMASTER or higher-level systems such as host computers or PLC systems.

Many advantages

- Easy and simple handling – New product diameter adjustment takes just a few seconds
- Symmetrical positioning of all transducer holders, centrally adjustable
- Unique product guiding
- Autonomous operation, possible outside the cooling trough / water
- Large measuring range with the same transducer holders
- 100% manufactured from non-corrosive materials for maintenance-free, long-life operation under water
- Compact design

Numerous Benefits

- Reduced start-up time thanks to early recognition of concentricity
- Important material savings
- Control of the minimum wall thickness
- Extremely compact, for installation into existing cooling trough
- Return on investment within few months



Diameter variation by simple position adjustment.

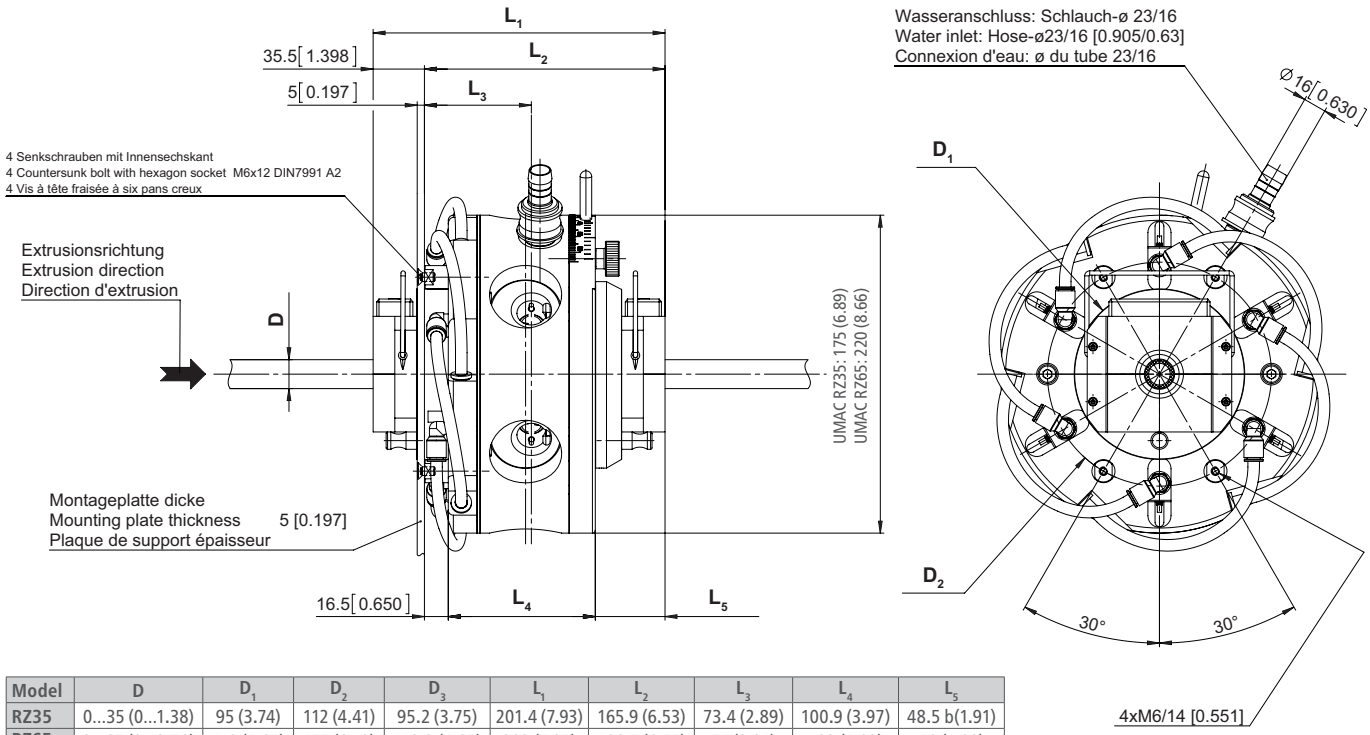
Adjusted within seconds

Thanks to the completely new construction (pat. pend.), the transducer holders can be synchronously adjusted to the best possible measuring position within seconds.

Technical data

Model	RZ35-4K	RZ35-6K	RZ65-4K	RZ65-6K
Data acquisition, processing and display systems	UMAC® CI (WALLMASTER)			
Diameter range	0 ... 35 mm (1.4 in.)		0 ... 65 mm (2.5 in.)	
Number of measurement points	4	6	4	6
Transducer holder	5, 10 MHz (other version on request)			
Max. water temperature	50° C (122° F)			
Weight (with transducer holder)	3.9 kg (8.6 lbs)	4.1 kg (9 lbs)	5.4 kg (11.9 lbs)	6.1 kg (13.4 lbs)

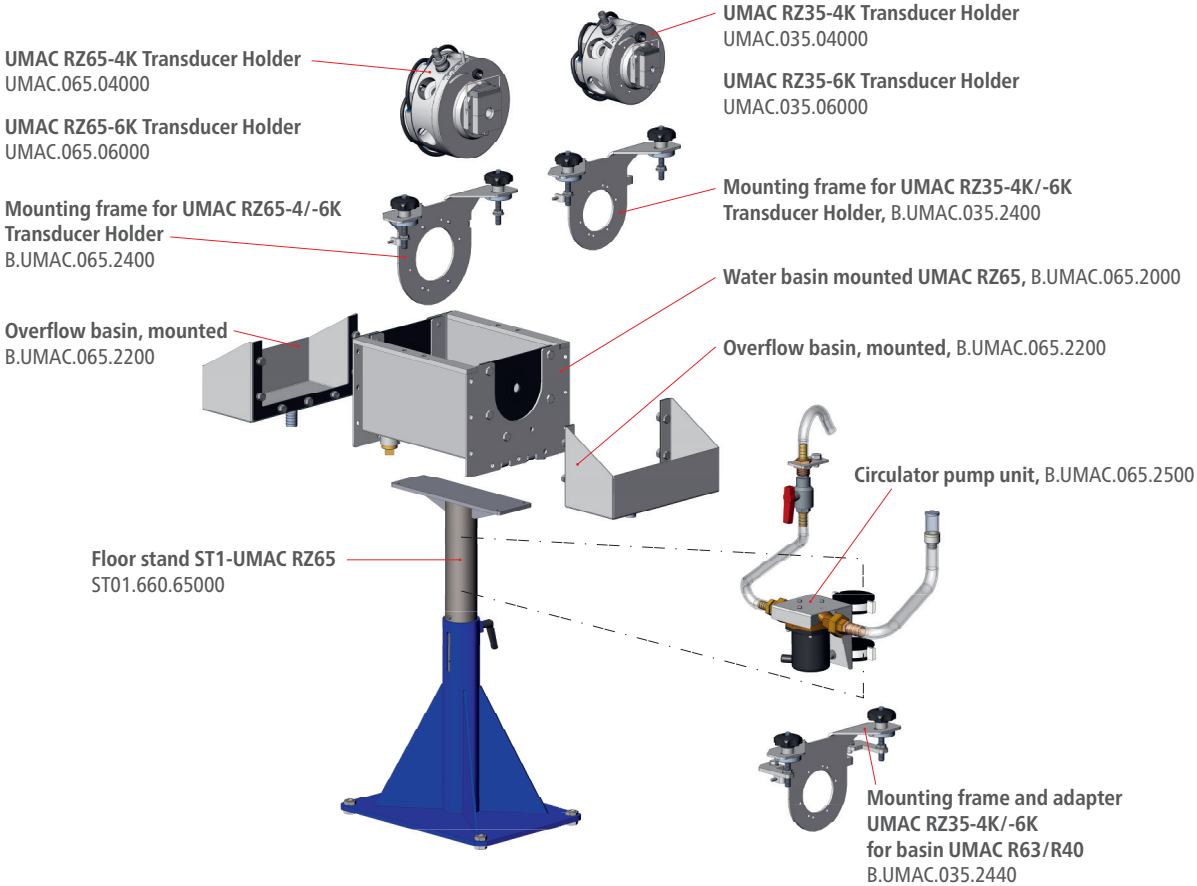
DIMENSIONS UMAC® RZ35/65



Model	D	D_1	D_2	D_3	L_1	L_2	L_3	L_4	L_5
RZ35	0...35 (0...1.38)	95 (3.74)	112 (4.41)	95.2 (3.75)	201.4 (7.93)	165.9 (6.53)	73.4 (2.89)	100.9 (3.97)	48.5 b(1.91)
RZ65	0...65 (0...2.56)	118 (4.65)	155 (6.10)	118.2 (4.65)	202 (7.95)	166.5 (6.55)	74 (2.91)	102 (4.02)	48 (1.89)

Dimensions in mm (inch)

OPTIONS



• Technical specifications are subject to change without notice

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UMAC.007.0017.EN SEP.2025