

Permanent ultrasonic water flow meter

# FLUXUS® WD Series

## The solution for water suppliers

Drift-free, accurate, cost-efficient

Very low installation costs  
and zero pipe interference

Extremely accurate down to flow  
velocities as low as 0.01 m/s

No zero calibration needed and  
permanently drift-free

Permanent coupling pads

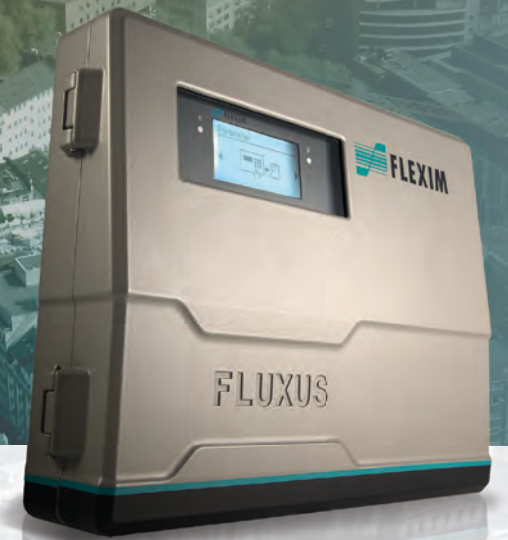
IP68 transducers

Transducers can  
be permanently buried  
(no chamber required)

**FLEXIM**  
*when measuring matters*







## FLUXUS® WD Series

### Drift-free measurements

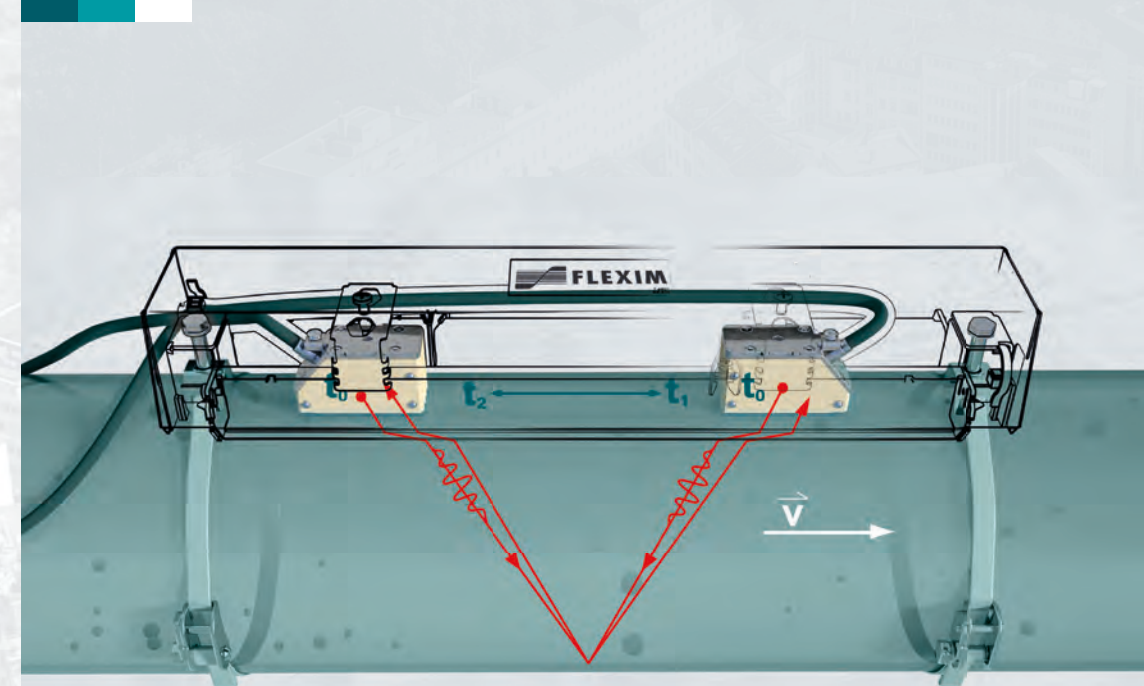
There is no method of zero drift correction for our instruments – because they just don't drift. This also applies to the WD Series that is **installed without zero calibration** and **remains drift-free, permanently**. FLEXIM is the only company that accomplishes this, thanks to its unique combination of matched piezo-transducers and advanced factory calibration.

### Reliable and accurate data

The WD Series belongs to the most reliable and accurate ultrasonic clamp-on systems. Furthermore, it **measures flow rates as low as 0.01 m/s**. The inaccuracy of other meter technologies can increase so dramatically in the low flow range, that they are unsuitable for monitoring minimum night flows. But for water suppliers the **precise monitoring of minimum night flows** is an essential part of their leakage detection activities – and the WD Series is the ideal tool for this task.

### Low installation costs

When creating a new flow measurement point within a water network the main costs are not incurred by the instrument but by the installation work (supply interruption, pipe cutting, pipe flushing, etc.). These costs are significantly reduced using the **clamp-on technology** of the WD Series that does not require any work that affects the integrity of the pipe. This enables a **very simple and cost-effective** installation of further flow measurement points within an existing water supply network.



## The solution for water suppliers

### Built to last

FLEXIM supplies the WD Series with the **most robust mounting system** on the market. The transducers are fixed to the pipe with broad stainless steel straps and secured in robust stainless steel housings. The transducers themselves have **IP68 protection** and reinforced transducer cables. A further unique feature of FLEXIM is that the transducers are connected with **permanent coupling pads, instead of coupling gel** that can deteriorate or be washed away. All this ensures the durability of the system and makes it **suitable for both installations in chambers and buried installations**.

### Works on difficult pipes

The WD Series is available with three transducer types and is suitable for inner diameters ranging from 50...6500 mm. The strong signal output and noise suppression technology make it possible to **use the WD Series on all pipe materials**, even on such challenging ones as fiber-reinforced plastic (FRP) pipes. The **outstanding performance** of FLEXIM is shown by thousands of references worldwide. Contact your local FLEXIM support office for more details.





# FLEXIM

More than 25 years of experience  
in non-invasive ultrasonic flow measurement



Product variant:	WD400	WD1200	WD6500
Recommendation for heavily corroded pipes:	100 ... 400 mm (ID) 4 - 16 inch (OD)	400 ... 1200 mm (ID) 16 - 48 inch (OD)	1200 ... 6500 mm (ID) 48 - 260 inch (OD)
Pipe material:	All		
Media:	Water		
Flow velocity	0.01...25 m/s		
Accuracy:	±1.2 % of reading ±0.01 m/s		
Repeatability:	0.15 % of reading ±0.01 m/s		
Protection degree:	Transducer: IP68 or IP67 Transmitter: IP66		
Number of flow measuring channels:	1 (optionally 2)		
Communication options:	Modbus, Foundation Fieldbus, Profibus PA, BACnet, RS485		
Data logger:	max. 800,000 values		
Outputs:	1x Current, 2x Binary		

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