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TECHNOLOGY GROUP

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so your equipment works exactly as you specify.

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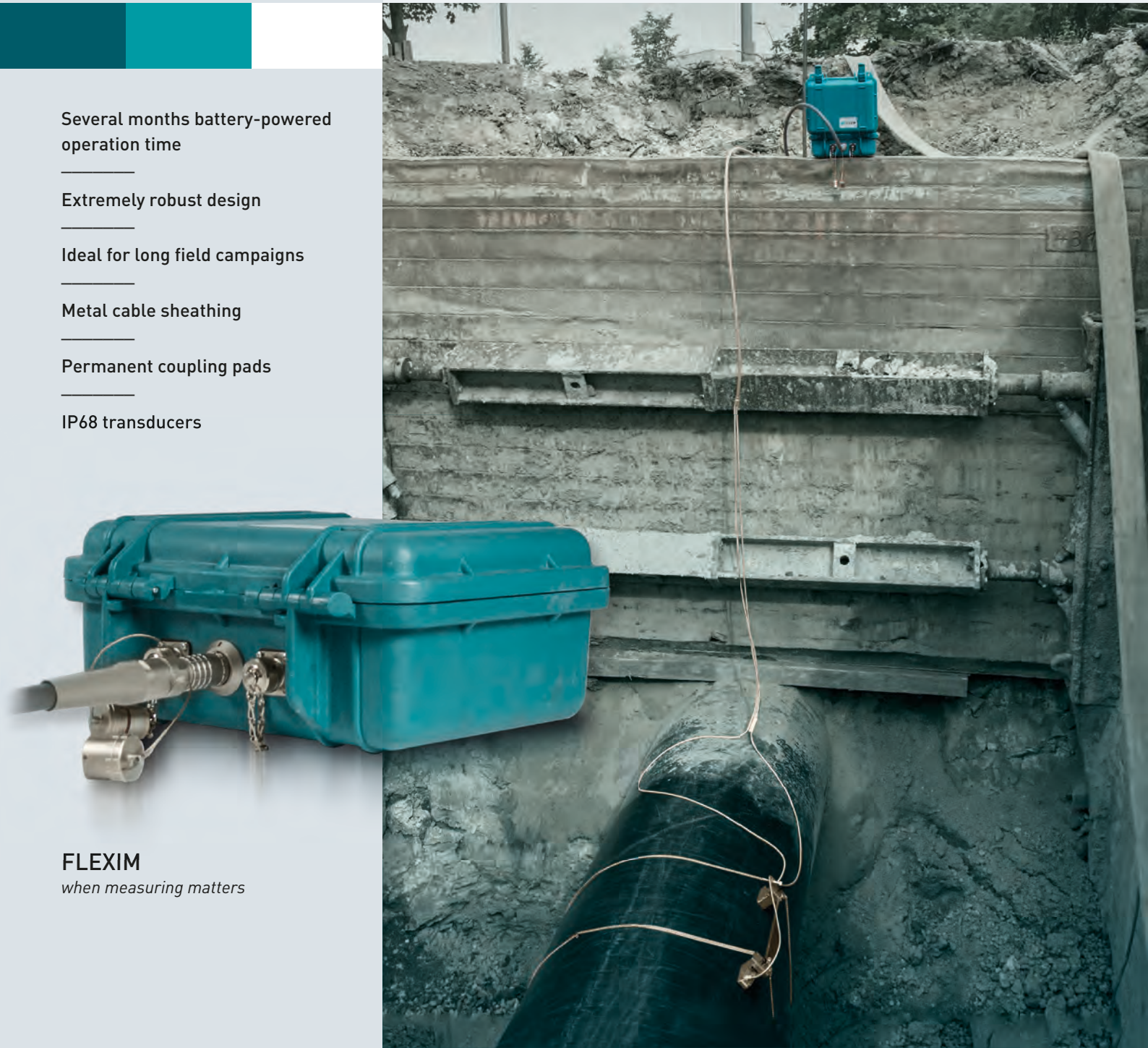
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FLEXIM

Heavy duty portable ultrasonic water flow meter

FLUXUS® F401

Long-term operation, robust design, accurate measurements



Several months battery-powered operation time

Extremely robust design

Ideal for long field campaigns

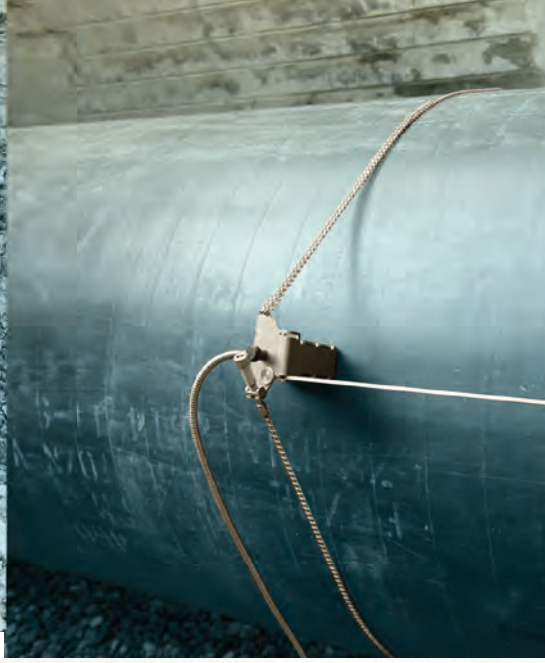
Metal cable sheathing

Permanent coupling pads

IP68 transducers

FLEXIM
when measuring matters





Several months operation time

The FLUXUS® F401 is the ideal flow meter for long-term measurement campaigns in the field. Depending on the programmed measurement interval the FLUXUS® F401 can operate autonomously for several months. This makes it suitable for leak detection campaigns and hydraulic studies, where regular measurements are needed over a longer period of time, but it is not planned to install a permanent ultrasound flow meter.

No signal deterioration

As the FLUXUS® F401 is designed for long-term field operation, it is supplied with permanent coupling pads in addition to coupling gel. For short-term measurements coupling gel is suitable, but not for semi-permanent field installations. In the field extreme heat or periodic submersion of the transducers can lead to depletion of the coupling gel, which results in signal deterioration or dropout. The permanent coupling pads of the FLUXUS® F401 guarantee an excellent acoustic coupling no matter what the field conditions are.









Extremely robust design

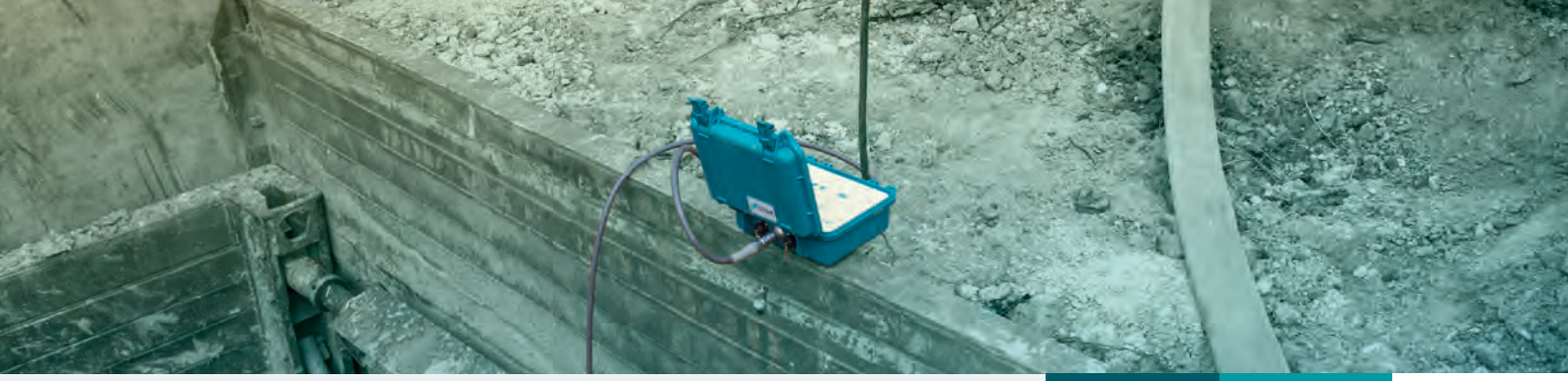
All parts of the FLUXUS® F401 have been designed to ensure utmost robustness for regular heavy duty use in rough conditions. The metal sheathing of the transducer cable ends protects them against strong bending or cuts and ensures tangle-free operation. The six meter cable length of the IP68 transducers allows for the installation of the transducers even in deep manholes, whereby the transmitter can be placed in the upper part of the manhole. The transmitter is housed in a robust case and has IP67 protection.

Accurate measurements

The FLUXUS® F401 is installed without process interruption and the installation can be completed within a few minutes. Thereafter, it delivers accurate and highly repeatable measurements that are not affected by drift. Due to its excellent low flow capability (down to 0.01 m/s), the FLUXUS® F401 is very suited for monitoring drinking water networks, in which low flow velocities are common. The strong signal output and the noise suppression technology make it possible to use the FLUXUS® F401 on challenging materials and very large pipes. Contact your local FLEXIM support office for more details.









Product variant:	FLUXUS® F401
Pipe diameter range:	40 ... 4700 mm
Pipe material:	All
Media:	Water / Wastewater
Battery lifetime:	Several months (depending on measurement interval)
Solid or gas content:	up to 6 % in volume
Flow velocity:	0.01 ... 25 m/s
Accuracy:	±2% of reading ± 0.01 m/s
Repeatability:	0.25 % of reading ± 0.01 m/s
Transducer cable length:	6 m
Transducer protection degree:	IP68
Transducer coupling material:	Pads (for long-term installations) and gel (for short-term installations)
Transmitter protection degree:	IP67 (housing closed)
Number of flow measuring channels:	1
Communication options:	RS232
Data logger:	> 100,000 values
Outputs:	1x Current, 1x Binary

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We buy equipment

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