

Radio Module For Water Meters



SkyW
for
Modularis-meters

Radio networking with your water meters – using µflow!

- wMBus OMS Radio / walk-by Radio
- Inductive Interface



SkyE
for
Elster PICOFLUX S110
And
MODULMETER M140

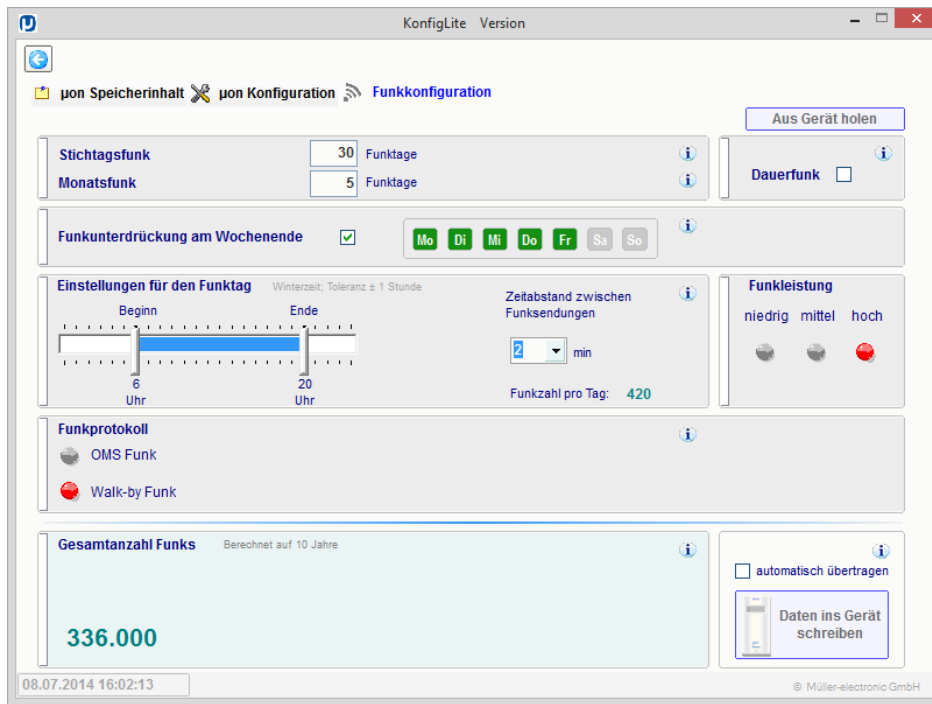
The different variants of the µflow allow to equip existing mechanical cold- and hot water metering solutions with radio capability.

A quick and safe configuration and the direct reading are given by using the safe and easy-to-use inductive Interface. You just need the USB communication device Koko and a free USB Slot on your peripheral (Windows or Android).

Preferences

- Adjustable Volume counter
- Configurable unit values: 9999,99 or 99999,9
- Non-reactive Volumecounting
- Switchable radio modes at any time: walk-by (15 monthly values) or OMS
- Configurable radio times, up to 50.000 broadcasts per year
- Due Date and Due Date Value
- Change Log for configuration changes
- Password Protection
- Lifetime >12 years

Radioconfiguration using Konfig



Example of a typical Radio-Configuration

Technical Data

Measuring principle	Typ SkyW: Inductive Interface Typ SkyE: Inductive Interface
Temperature Range	$t_{\min} = 0^{\circ}\text{C}$, $t_{\max} = 60^{\circ}\text{C}$
Storage Temperature	$t_{\min} = -20^{\circ}\text{C}$, $t_{\max} = 60^{\circ}\text{C}$
Battery Lifetime	12 years plus reserve
Measuring Cycle	Continuous Sampling
Due Date	Any last day of a month, default 31st of december
Data Logger	15 monthly end values
Changelog	Last 5 config changes incl. Date of change
Radio Telegrams	changeable any time: 1. wMbus T1 Mode (acc. OMS) 2. walk-By Mode
Radio Frequency	868 MHz
Radio Performance (ERP)	Configurable: +5 dB, 0 dBm, -5 dBm
Transmission Rate	100.000 Chips/s
Dimensions (H x W x D)	SkyW: 37 x 63 x 35 mm SkyE: 40 x 64 y 34 mm
Protection Class	SkyW: IP54 (optional IP68) SkyE: IP66
Device Interface	Inductive