

Radio module FM radio 4

Techem radio 4 module: Precise, secure and simple radio reading for Techem radio and vario water meters.

One module for many variants, one claim: The Techem radio module for water meters enables reliable consumption data recording without need to access apartments. With the modular design, many meter installation situations are suitable for radio readout – and may even be retrofitted.

In a nutshell

- Integral component of all Techem radio 4 residential water meters
- Retrofittable at any time in all water meters with Techem vario counters
- Readout of consumption values without accessing the flat
- Radio transmission of monthly data, no need for intermediate readings on site
- Flexible in reading when receiving OMS (Open Metering System) radio telegrams
- OMS-certificated telegram configurable
- Secure data transfer by encryption and CRC method
- Maximum future-proof by remote readout and OMS standard compliance



Techem radio 4 module:

The flow values of the water meter is recorded and stored in the radio module by means of contactless and wear-free capacitive scanning. All consumption values, f.e. due dates or month end values, as well as meter data are transmitted by radio. The integrated optical interface is designed for configuration by service devices and for readout at site.

Technical data

Radio mode		unidirectional; Standard: Mode C1 according to OMS V4
Radio data transmission		Standard: – Year-end value (as OMS data point) – Consumption data of 12 mid-month and end-of-month values – Status information
Transmitting frequency	(MHz)	868.95
Transmitting power	(W)	0.003 ... 0.015
Transmission period	(sec.)	0.008 ... 0.014
CE conformity		according to Directive 2014/53/EU (RED)
Data security		Encryption according to OMS standard; recognised by BSI TR-03109
Future-proof design		prepared for EED (Directive 2012/27/EU)