

# MULTICAL® 401

## the compact heat meter from Kamstrup

Long-life, ultrasonic heat meter



High quality, very reliable, longevity, quick and simple installation.

MULTICAL® 401 is the right solution for accurate and precise metering in homes, offices and small industrial companies.

# The rational solution with minimal life-time cost

## Flexibility, precision, economy

**This meter will cover all your basic heat metering needs: comply with legal requirements – neither more nor less!**

MULTICAL® 401 is based on Kamstrup's years of experience with ultrasonic flow meter ULTRAFLOW® and our MULTICAL® calculator.

The energy meter meets basic demands in respect of precision, stability and good economy. In addition, the meter can be upgraded to make it an integral part of Kamstrup's advanced, high-tech automatic reading systems, which are constantly being developed. In short, this meter combines a high level of accuracy with longevity and minimal operating costs – whilst keeping the door open to future possibilities!



## BENEFITS AND POSSIBILITIES

- The meter is extremely simple to install and read – saving you time and money
- The meter is supplied with 3-part verification. The sensor pair and battery can be changed without breaking the verification seal
- The calculator can be installed up to 1.5 m away from the flow meter, so that the easy-to-read display, with a wide range of display features, can be placed at eye-level
- The meter can be supplied by a battery or net – if the latter is preferred, an integral back-up supply protects meter data in the event of a power-cut
- The flow meter can be supplied with flange or thread, ranging from qp 0.6 to 15 m<sup>3</sup>/h
- Pt500 pocket temperature sensors are used, alternatively short direct sensor set with 1.5 or 3 m cable
- MULTICAL® 401 can be read manually via the IR-head
- If you prefer the advantages of AMR, MULTICAL® 401 can be supplied with modem, M-Bus, RS232, radio etc. These modules can also be retrofitted without tools
- In addition to own data, MULTICAL® 401 can also accumulate consumption for two extra water meters, enabling all consumption data to be read simultaneously
- MULTICAL® 401 is made of environmentally safe materials that are easy to dispose of, when the time comes to replace the meter

## Ellipse.net – automatic meter reading



The basic objective of automatic meter reading (AMR) is to ensure that your customers are billed for the exact amount of energy consumed. The quickest and most effective way to accomplish this is by remote data reading.

Data can be transferred to your analysis or calculation programs or the invoicing system. Alternatively, Kamstrup can undertake the complete process, so that you simply receive payment for energy consumed, leaving you free to concentrate on customer service and utility improvements etc.



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