



ELIS PLZEŇ a.s.



# HEAT/COLD METERS IN WATER ELISTHERM ET3020.3

# ELISTHERM ET3020.0

Systems ELISTHERM ET3020.3 heat/cold meters are intended for measurement of absolute heat or cold energy delivered to customer plants or otherwise consumed in closed hot/cold water heating/cooling systems. The ELISTHERM ET3020.3 heat/cold meter measures and stores information of heat/cold quantity calculated from the water temperatures, which are measured at the input and output piping by means of coupled resistance temperature sensors Pt100 (Pt500) and the heating/cooling water flow rate by a flow ultrasonic meter, which is located at the input or output of pipe.

Systems ELISTHERM ET3020.3 heat/cold meters are delivered in following configuration:

- Calorimetric counter
- Couple resistance of temperature sensors Pt100 (Pt500)
- Ultrasonic flow meter SONOELIS SE4041

## METER SPECIFICATIONS

|   |   |
|---|---|
| temperature range of flow meter                     | 0° to 150° C (32° to 302°F)                         |
| min. temperature difference of calorimetric counter | 2° (35.6° F)  |
| nominal diameter of flow meter                      | DN32 to DN300 (1 1/4" to 12")                       |
| flow meter position                                 | input or output piping                              |
| accuracy class                                      | 2   |
| communication of the system                         | M-Bus   |
| power supply of flow meter                          | 230 V AC  |
| power supply of calorimetric counter                | 230 V AC or battery                                 |
| protection class calorimetric counter               | IP54  |
| protection class flow meter                         | IP65  |
| ambient temperature                                 | 5° to 55° C (41° to 131° F)                         |
| optional accessories of calorimetric counter        | com. line MODBUS, RS485<br>pulse, radio, GSM output |
| optional accessories of flow meter                  | temperature of water 180° C (356° F)                |

## ET3010.0 HEAT/COLD METER APPLICATION

