

|                         |                                                |
|-------------------------|------------------------------------------------|
|                         | <b>TMD9</b>                                    |
| Systronik Article No.   | M071 ...                                       |
|                         |                                                |
| Temperature measurement |                                                |
| Range                   | -50 °C ... +1,150 °C                           |
| Accuracy                | ±1 °C + 1 digit (<300 °C)<br>±1% RGD (>300 °C) |
| Resolution              | 0.1 °C                                         |
| T90                     | <5 seconds                                     |
| Sensor Type             | Thermocouple Type-K (NiCr-Ni)                  |



| General Data                                    |                                                                                  |
|-------------------------------------------------|----------------------------------------------------------------------------------|
| Display                                         | 2.8" TFT (240 x 320 Pixel)                                                       |
| Connections<br>Temperature:                     | 2 x Thermocouple socket                                                          |
| Memory Media                                    | microSD memory card (<16 GB)                                                     |
| Data Interface                                  | Bluetooth Smart (2.4 GHz; max 2.5 mW / 4 dBm)<br>IR (EUROprinter)<br>QR-Code     |
| Measurement Units<br>Temperature:               | °C, °F                                                                           |
| Battery / Power Supply                          | Rechargeable Lithium-Ion battery (3.6 V / 1,800 mAh)<br>/ External Power Adapter |
| Power Supply / Charger Mode                     | Via USB socket and AC-Adapter (no data transfer via USB port possible)           |
| Expected Operating Time<br>(Measuring Mode)     | 38 hours ('Eco' Mode)<br>25 hours ('Automatic' Mode)<br>18 hours ('Normal' Mode) |
| Operating Temperature                           | 0 °C ... +40 °C                                                                  |
| Storage/Transport Temperature                   | -20 °C ... +50 °C                                                                |
| Housing Material                                | Plastic (PA)                                                                     |
| Housing Color                                   | RAL 5015 (sky blue)                                                              |
| Dimensions (HxWxD)                              | 143 x 66 x 37 mm (incl. Protection Case)                                         |
| Protection Rating                               | IP42 (DIN EN 60529)                                                              |
| Weight                                          | 154 g                                                                            |
| Protection Case Material                        | Soft Plastic (TPE)                                                               |
| Protection Case Color                           | RAL 5011 (steel blue)                                                            |
| Keypad                                          | Foil Keypad (5 buttons)                                                          |
| Keypad Color                                    | RAL 7021/5015/4008/9016                                                          |
| Directives & Standards                          | 2014/30/EU (CE), DIN EN 50379, WEEE/RoHS,<br>2014/53/EU (RED)                    |
| EMC<br>Interference:<br>Noise immunity:<br>ESD: | DIN EN 50270:2015-10<br>DIN EN 55022<br>DIN EN 61000-4-3<br>DIN EN 61000-4-2     |

*Subject to technical changes!*

