S+S REGELTECHNIK

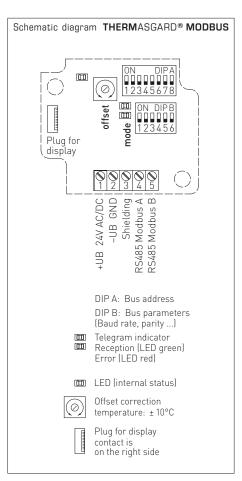
Sleeve sensor with temperature measuring transducer, calibratable, with Modbus connection

Calibratable temperature measuring transducer with sleeve sensor $\textbf{THERM} \textbf{ASGARD} \textbf{@ HFTM-Modbus} \ \ \textbf{with Modbus connection, terminal box enclosure}$ made of impact-resistant plastic, enclosure cover with quick-locking screws, with/without optional display for displaying the actual temperature.

The temperature transmitter with remote sensor is used for temperature detection in liquid and gaseous media e.g. by installation inside an immersion sleeve or as a duct sensor. The sensors are factory-calibrated. Adjustment $\!\!\!\!/$ fine adjustment by the user is possible (zero point offset is adjustable).

| TECHNICAL DATA | | | | |
|---------------------------|--|--|--|--|
| Voltage supply: | 24 V AC (±20%) and 1536 V DC | | | |
| Power consumption: | < 1.0 VA / 24 V DC; < 2.2 VA / 24 V AC | | | |
| Sensor: | Pt1000, DIN EN 60751, class B | | | |
| | (Perfect Sensor Protection with IP68) | | | |
| Measuring range: | −50+150°C | | | |
| Temperature deviation: | ±0.2K at +25°C | | | |
| Zero point offset: | ±10°C | | | |
| Ambient temperature: | Measuring transducer -30+70°C | | | |
| Medium: | clean air and non-aggressive, non-combustible gases | | | |
| Error detection: | sensor breakage, sensor short circuit | | | |
| Bus protocol: | Modbus (RTU mode), | | | |
| | address range 0247 selectable | | | |
| Signal filtering: | 0.3 s / 1 s / 10 s | | | |
| Protective tube: | stainless steel, V4A (1.4571), $\emptyset = 6 \text{ mm}$, | | | |
| (sensor sleeve) | nominal length (NL) = 50mm | | | |
| | (other dimensions optional) | | | |
| | cable entry stamped (optional rolled) | | | |
| Connection cable: | silicone, SiHF, $2 \times 0.25 \text{mm}^2$, $KL = 1.5 \text{m}$ | | | |
| | (other lengths and range limits optional, e.g. PTFE leads up to +250°C or | | | |
| | glass fibre with steel wire mesh up to +350°C) | | | |
| Enclosure: | plastic, material polyamide, 30% glass-globe reinforced, | | | |
| Eliciosure: | with quick-locking screws | | | |
| | (slotted / Phillips head - combination), | | | |
| | colour traffic white (similar to RAL 9016), | | | |
| | enclosure cover for display is transparent! | | | |
| Enclosure dimensions: | 72 x 64 x 37.8 mm (Tyr 1 without display) | | | |
| | 72 x 64 x 43.3 mm (Tyr 1 with display) | | | |
| Cable gland: | 2x M12x1.5 (Y-adapter); with strain relief, | | | |
| | exchangeable, max. inner diameter 6 mm | | | |
| Permissible air humidity: | <95% r.H., non-precipitating air | | | |
| Protection class: | III (according to EN 60730) | | | |
| Protection type: | IP65 (according to EN 60529) humidity-tight stamped | | | |
| | IP68 (optional watertight compound-filled*) rolled IP54 (optional glass fibre cable) | | | |
| Standards: | CE conformity, electromagnetic compatibility | | | |
| ordinalus. | according to EN 61326. | | | |
| | according to EMC Directive 2014 / 30 / EU | | | |
| Optional: | two-line display with illumination, programmable, | | | |
| opularia. | cutout approx. 36 x 15 mm (W x H), | | | |
| | for displaying the actual temperature or | | | |
| | an individually programmable display value | | | |
| | (The Modbus interface allows the display to be | | | |
| | individually configured in the 7-segment area and | | | |
| 4.00F000DUFC | in the dot-matrix area.) | | | |
| ACCESSORIES | see last chapter | | | |
| MODBUS-Y | Y-adapter for cable gland M16x1.5 (on 2x M12x1.5), plastic (included in the scope of delivery) | | | |
| THE-xx | | | | |
| 111L*XX | Immersion sleeve, stainless steel V4A or nickel-plated brass, Ø = 9 mm, inner diameter of socket 5.2 mm, | | | |
| | with adjusting screw M12 x1.5 | | | |
| | , | | | |

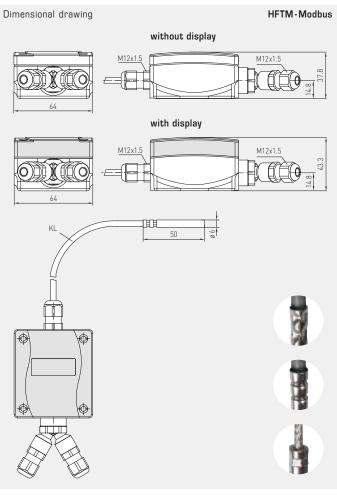








Sleeve sensor with temperature measuring transducer, calibratable, with Modbus connection





IP68 (optional) watertight compound-filled \star , rolled

IP54 (optional) with glass fibre cable





| Type / WG01 | Sensor | Output | Туре | Display | Item No. | Price |
|---------------------|--|--------|---------------|---------|--------------------------|----------|
| HFTM-Modbus | | | | | | |
| HFTM-MODBUS | Pt1000 | Modbus | Remote sensor | | 1101-1256-0210-000 | 108,55 € |
| HFTM-MODBUS DISPLAY | Pt1000 | Modbus | Remote sensor | | 1101-1256-2210-000 | 151,51 € |
| Extra charge: | Protection type IP68 (sensor sleeve watertight compound-filled) per running metre of connecting lead (silicone/PTFE/glass fibre) other protection sleeve lengths (NL) optional | | | | on request on request | 2,86 € |

| Acces | sories |
|-------|--------|
| THE | |

Immersion sleeve, stainless steel V4A or nickel-plated brass, \emptyset = 9 mm For further information, see last chapter Accessories!