

FT10-RT433-IS

Wireless temperature transmitter



FT10-RT433-IS is a wireless transmitter with internal Pt100 sensor. The device consists of a radio transmitter module **FT10-RT433** and a measurement module **FT10-IS** and also from a whip-antenna. The design and construction of the device gives the devices high measuring accuracy and stability along with outstanding durability and resistance against adverse environmental conditions.

The device includes 433.92 MHz radio transmitter and detachable whip-antenna which enables transmissions out of closed steel cabinets and other difficult targets.

The measuring module recommended calibration period is two years. A radio transmitter module does not need calibration so it stays attached in its original installation place with an antenna.

We offer calibration agreement where we send replacement measurement modules which will be changed without any tools to the places of the measurement modules that are currently in use. After this the measurement modules with old calibration will be sent back to us. This prevents breaks in measurement use that would be caused by calibration and the calibration service is very inexpensive compared to all other solutions. The endurance of the battery is up to five years, but new battery is part of the calibration service.

The device fulfills the mechanical and measuring accuracy requirements of the **EN 13485** standard. It also conforms to the requirements of the standards **EN 13486** and **EN 12830** where applicable.

| Input details | |
|-----------------------|-------------------------|
| inputs | Pt100 |
| accuracy | ±0.5°C (-30...+50°C) |
| input channels | 1 |
| measuring range | -30...+60°C |
| Radio details | |
| transmission interval | 5 s... 5 min |
| coverage range | open space up to 1000 m |
| Output details | |
| output channels | 1 |
| outputs | 433 MHz radio signal |

| | |
|-----------------------------|---|
| Connection details | |
| programming | MekuWin or 6790 |
| Power supply | |
| supply voltage | Battery: 1.5 V AA alkaline |
| battery life | Over 3 years (80 s transmission interval) |
| Sensor details | |
| sensor type | Pt100 |
| General information | |
| maximum ambient temperature | 60°C |
| minimum ambient temperature | -30 °C |
| case material | plastic (PC and ABS+PC) |
| protection class | IP66 |
| approvals | CE and EN13485 |