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| | INC. |
| | Web: www. V U V .cbm Q W O G L U H F W |

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| Model | Wireless Temperature Transmitter 6 5 63ACT-Z |
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| Brief Introduction | <p>6 5 63ACT-Z Wireless digital pressure transmitter is mainly composed of temperature sensor, signal processing circuit, central processing unit and wireless communication circuit. Integrated nowadays is the most popular of the two kinds of industrial wireless communication way: ZigBee, Wireless HART, using the advanced micro power consumption devices and improve the software management technology, data alarm, data burst, instrument failure, battery alarm and other priority handling mechanism and ensure the real-time data monitoring and status of instrument. Built in high-capacity high-performance lithium battery powered, it can work continuously for 3 to 5 years. Realize remote real-time monitoring, wireless transmission, without the need for on-site wiring, eliminating the need for ordinary instruments on the field wiring trouble, saving manpower and construction costs. The instrument design is advanced, the variety is complete, the installation and use is simple and convenient, is the ideal</p> |
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| | upgrade product of the traditional temperature transmitter. |
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| Application | 1. Suitable for all weather data collection and communication in the wild or harsh environment with no external power supply | |
| | 2. suitable for temperature acquisition and display in environments of corrosion, impact and vibration | |
| | 3. Meet the needs of high precision acquisition in laboratory and industrial field | |
| | 4. Can be a standard Temperature Gauge instead of traditional pointer temperature gauge | |
| Characteristics | 1. Epoxy resin sealing materials, anti-vibration, temperature resistant ,instinctive safety and explosion-proof | |
| | 2. Acquisition speed 1~60Hz, settable freely | |
| | 3. Power supply battery is of development of design, easy to replace any time | |
| | 4. Buttons pressed with magnetic induction pen, exempt from interference, not easy to damage | |
| | 5. Meets the acquisition requirements in places of corrosion, impact, vibration , and other harm environments | |
| | 6. Broad screen of 5 digits LCD, easy to be sigh catching | |
| | 7. Display with temperature percentage bar chart, easy to understand | |
| | 8. Adopts Pressure spring type mechanism, the temperature sensitivity is high, the instrument response speed is fast | |
| | 9. Zero Self-stability technology , ensure the stability of instrument | |
| | 10. AES-128 encryption algorithm, network authentication, data security and reliability | |
| | 11. Automatic frequency hopping technology, has a unique ability to resist interference | |
| Parameters | Temperature Units | °C (Centigrade) /°F (Fahrenheit degree) |
| | Configurable | |

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| | Measure Range | Thermo couple | E: 0~750℃ | | | |
| | | | K: 0~1200℃ | | | |
| | | | S: 0~1300℃ | | | |
| | | | B: 0~1600℃ | | | |
| | | Thermo resistance | Pt100: -200℃~500℃ | | | |
| | Immersion Depth | 50mm~2500mm (can be customized) | | | | |
| | Accuracy | 0.2 grade /0.5 grade | | | | |
| | Stability | <0.3%FS/Year | | | | |
| | Power Supply | One Built-in 3.6V high volume lithium battery | | | | |
| | Acquisition Speed | 1~60Hz, default is 1Hz, time is settable | | | | |
| | Battery Service Life | One Built-in 3.6V high volume lithium battery, reference with environment temperature (16~25)℃ | | | | |
| | | Acquisition Speed (Hz) | 1 | 2 | 3 | 4 |
| | | Service Life(year) | 3 | 3 | 3 | 3 |
| | | Acquisition Speed (Hz) | 5 | 6 | 7~20 | |
| | | Service Life(year) | 3 | 3 | 3 | |
| | Environment Temperature | (-30~70)℃ | | | | |
| | Relative Humidity | <90% | | | | |
| | Atmospheric Pressure | (86~106)kPa | | | | |
| | Medium Status | Corrosive Medium | Use strong armored core with anti-corrosive ability or add protection tube for armored core | | | |
| | | Viscous medium | add Armored Core protection tube | | | |
| Display | 5 Digits LCD + percentage bar chart | | | | | |
| Protection Grade | IP65 | | | | | |
| Explosion-proof grade | Ex ia IIB T4 Ga | | | | | |
| Process Connection | Metric | M27×2、M20×1.5、M14×1.5 , etc. | | | | |
| | UK / US Standard | G1/2、G1/4、NPT1/2、NPT1/4, etc. | | | | |
| Wireless Technology | Wireless spectrum | ISM (2.4~2.5) GHz (IEEE 802.15.4 DSSS) | | | | |
| | Wireless authentication | Zigbee: FCC ID: MCQ-XBS2C, IC: 1846A-XBS2C | | | | |
| | | WirelessHART: IEC 62591 HART, GB/T 29910.1~6-2013 HART | | | | |
| | Wireless Protocol | Zigbee: Zigbee 2007 (compatible with CNPC'S A11-GRM Communication Protocol) | | | | |
| WirelessHART: IEC62591 | | | | | | |

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| | Receive Sensibility | ZigBee: -100dBm |
| | | WirelessHART: -95dBm |
| | Transmit Power | 8dBm (6.3mW) |
| | Communication Distance | 300m / 800m |
| | Network Security | AES-128 encryption algorithm, network authentication and network authorization |
| | Interference resistant ability | Automatic frequency hopping |
| Installation | Radial | Split Mounting |

Dimension (Unit: mm)

