



THERMOCOUPLE ACQUISITION INSTRUMENT

WTN DAQ-T-1602



OFFICIAL ACCOUNT



VIDEO ACCOUNT

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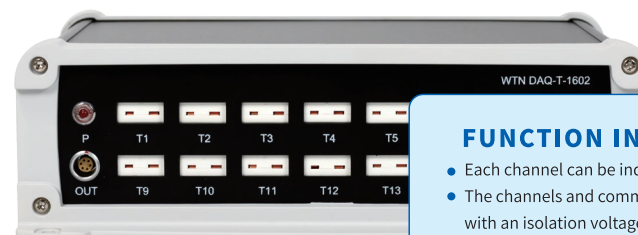
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THERMOCOUPLE ACQUISITION INSTRUMENT

Thermocouple acquisition instrument serves as the main device for temperature acquisition in the flow field. The WINDTUNER Thermocouple acquisition instrument (WTN DAQ-T) can provide 16-channel differential temperature acquisition interface, adaptable to a variety of types of thermocouples (such as Type K, Type T, Type N, etc.), which is used in conjunction with thermocouples, total temperature probes or composite probes for the acquisition of flow field temperature parameters.



FUNCTION INTRODUCTION

- Each channel can be individually configured for thermocouple type.
- The channels and communication ports are photoelectrically isolated, with an isolation voltage of 2kV.
- Enables rapid networking and parallel connection of multiple devices to build a measurement and control system.
- Supports real-time data acquisition, monitoring and data viewing and analysis functions.

PRODUCT PARAMETERS

| PRODUCT INDICATORS | PARAMETERS/DESCRIPTIONS |
|-------------------------|--------------------------------|
| Input channel | 16 differential analogue input |
| Thermocouple type | J, K, T, E, R, S, B, N, etc. |
| Sampling frequency | 10Hz/CH |
| Resolution | 16bit |
| Working temperature | (-25~75) °C |
| Power supply | (18~36) VDC |
| Communication interface | 10/100M Adaptive Ethernet |

| INPUT TYPE | J | K | T | E | R | N | S |
|--------------------------|--------|--------|----------|--------|--------|-----------|--------|
| Input type (°C) | 0~1200 | 0~1300 | -200~400 | 0~1000 | 0~1700 | -200~1300 | 0~1786 |
| Accuracy (°C) | ±0.5 | ±0.5 | ±0.5 | ±0.5 | ±1.0 | ±0.5 | ±1.5 |
| Total thermal error (°C) | ±1.0 | ±1.0 | ±1.0 | ±1.0 | ±2.0 | ±1.0 | ±2.5 |