

twilight

INSTRUMENTOS DE MEDICIÓN INDUSTRIAL

**Termohigrómetro
Datalogger Wifi
CW-T20WIFITH**

www.twilight.mx

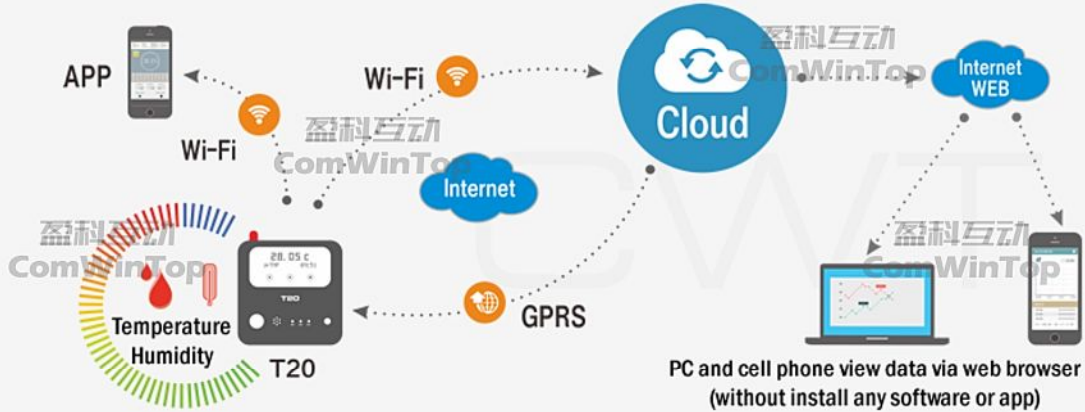
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FEATURES



Temperature Humidity Measurement

- Temperature measurement range: -40°C to $+80^{\circ}\text{C}$ ($\pm 0.3^{\circ}\text{C}$)
- Humidity measurement range: 0% to 100%RH ($\pm 2\text{RH}\%$)
- Support up to 2 temperature probes or 2 temperature & humidity probes

Display

- OLED display screen
- Touch key switch menu

Data Logger

- Wireless record to Cloud, optional cellular or Wi-Fi version
- Memory data storage capacity: 15000 readings
- Automatically data store when network connection lost
- Recover the stored to Cloud when connection is back to normal

Thermostat

- Inside 3 relays
- Temperature and humidity high or low interlock
- Programmable timer relay action

Communications Mode

- SMS (only cellular version support)
 - Preset 10 authorized phone numbers
 - Configurable alarm/recover SMS
 - Query current value by SMS
 - Control relay by SMS
 - Remote setting by SMS
- TCP/IP connect
 - TCP/IP connect 4 internet servers (IP or domain)
 - Http post, Cwt_IO protocol
 - Real-time/logging upload data

Real-time Data Monitoring

- Login cloud via web or APP to monitor data
- Support export data form cloud platform

Alarm

- Configurable temperature/humidity low and high level to alarm
- High-brightness red led light on panel
- Built-in alarm buzzer
- Power failure/recover alarm
- Support 2 wired inputs for alarm



OLED DISPLAY

Multiple pages display value, device status, network status



TOUCH KEYS

Turn display pages and confirm



THERMOSTAT

Temperature control with 3 outputs



SOUND-LIGHT ALARM

LED light and inside buzzer for local alarm

Temperature Probe

Temperature & Humidity Probe

Sms Alarm When T&h Out Of Normal Range, Remote Query Or Set By Sms

Cloud Data Logger Over Gprs

Cloud

GPRS Internet

Cloud Data Logger Over Wi-Fi

Cloud

Wi-Fi Internet

Observe via Web on PC

Observe via APP on phone

Available on the **APP store**

Google play

NO.	Update time	State	Value
1	2018-12-17 16:33:09	Normal	20.80
2	2018-12-17 16:33:04	Normal	20.80
3	2018-12-17 16:32:59	Normal	20.80
4	2018-12-17 16:32:54	Normal	20.80
5	2018-12-17 16:32:48	Normal	20.80
6	2018-12-17 16:32:44	Normal	20.80
7	2018-12-17 16:32:39	Normal	20.80
8	2018-12-17 16:32:34	Normal	20.80
9	2018-12-17 16:32:29	Normal	20.80
10	2018-12-17 16:32:24	Normal	20.80

SPECIFICATION

Specification	
MCU	Cortex M3 32-bit ARM
Power supply	12V DC (Standard adapter: DC 12V/1.5A)
Consumption	12V input Max. 340mA
Temperature range	-40℃ to +80℃(±0.3℃)
Humidity range	0% to 100%RH (±2RH%)
Probe	Max.2 (standard packing: 1 probe) Option: temperature, temperature & humidity probe
Wireless Network	Either GPRS(or 4G, need simcard) or Wi-Fi(Not need simcard) Option: GSM/GPRS (4 band 850/900/1800/1900Mhz) FDD LTE(4G) Wi-Fi, 802.11 b/g security WEP/WPA/WPA2
GPS module	Optional for 4G
Antenna interface	Standard SMA female interface (50Ω)
Working temperature	-30℃~+70℃
Working humidity	Relative humidity 95%
Display	OLED
Key	Touch
Digital input	2 channel
Digital Output	3 relay output (NO), DC220V 2A / AC 125V 2A
Alarm light	Red LED light
Alarm sound	Inside buzzer, Loudness : 85dB
Config port	Mini USB, (windows)
Battery	lithium-polymer, 500mAh/3.7V, life:6 hours
Dimension	130×130×20mm
Weight	265g
Housing	Aluminum front panel , back case ABS





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