



AQTIME Time Adjustment Device

MODEL: AQTIME VP-200T

Time adjustment with precise (+/- 1 mini second) 1PPS timing output for system timing synchronization



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The **AQTIME VP-200T** is the integration of a timing IC in a compact/weatherproof enclosure for time-transfer application. It outputs 1pps pulse with +/- 1 mini seconds tolerance. It fits virtually any application that requires precise time signal outputs. VP-220T provides the most cost-effective solution available in the industry.

At the premise of a previously acquired first fix data; the AQTIME VP-200T is capable of maintaining precise time and frequency reference even under very harsh environment!

Features:

- All-in-one construction, ultra compact, fully weatherproof, easy to mount
- Easy operation & high affordability
- Wide operating temperature range
- Flexible power supply (8~40VDC) & low power consumption (1.1W typically)
- RS-232 (working range: 50m)

Applications:

- Master clock reference system for test and measurement requirements
- Metrology lab frequency monitor or frequency reference system
- Time control of computer network terminals

Specifications

PHYSICAL	
Dimension:	4.5" diameter x 2.9" (H) or 11.4cm x 7.4cm(H)
Weight:	0.8lb(360g) without cable
Enclosure:	Highly impact, corrosion-proof PC (polycarbonate) resin
Construction:	Hermetically sealed & fully waterproof
Mounting:	Pole mount to 1"-14 threaded pipe
ENVIRONMENTAL	
Temperature:	Operating -30~+75°C, storage -40~+85°C
Humidity:	95% non-condensing
POWER	
Input Power:	DC 8~40V, with reverse protection
Voltage Regulator:	On-board, switching mode
Consumption:	1.1Watt, typical
EMI Filter:	Rejects power line interference
COMMUNICATION	
Protocol:	4800 baud rate
Signal Level:	RS232
1 PPS	TTL
PERFORMANCE	
1 PPS Timing Output:	Generates one pulse per second with rising edge for synchronization
1 PPS Timing Accuracy:	Typical 1ms
INTERFACE	
Output protocol:	RS-232
I/O CONNECTOR	
Housing:	7 pin circular, hermetically sealed
Pins:	Gold plated for anti-corrosion
DATA CABLE	
Length:	15m
Description:	Multi-color conductors strained in a shielded/ weatherproof jacket

(*PS: The specification is subject to change without prior notice)