

DOBLE PROTECTION TESTING

F6051

Time Synchronizer

PROVIDES PRECISE TIME
SYNCHRONIZATION IN
AREAS WITH ACCESS TO
STATION TIME CLOCKS

The Doble F6051 is a compact, IRIG-B time protocol converter for when you need precise time synchronization according to industry and security standards. With the Doble F6051, interior time stamping is possible. Use Doble's F6051 in combination with Doble's F-Series Power System Simulators to accept modulated or demodulated signals from station satellite clocks.

FEATURES

- Generates a 1pps signal for accurate time stamping
- Accepts modulated or demodulated signals from station satellite clocks
- IRIG-B signal enters through a BNC connector
- GPS 1pps signal exits through an RS-422 connector

BENEFITS

- Use when you are unable to run a satellite antenna cable outside
- Generate time stamp even if doors and windows cannot be opened for prolonged period due to CIP compliance concerns
- Capable of time synchronization for PMU, IEC 61850, & end-to-end testing where an IRIG-B source is available
- Eliminates tangled satellite cables
- Fits conveniently in your lead bag



DOBLE F6051 TECHNICAL SPECIFICATIONS

GENERAL SPECIFICATIONS	
POWER INPUT/OUTPUT	RANGE
Power Supply	120-240 volt AC (1 amp max)
F6051	+12V, max power 15 watts
F6051 BNC Data input	5 volts peak
1PPS signal	±1.5V minimum and ±2.5V maximum
DATA INPUT	FORMAT
IRIG-B BNC input	Unmodulated IRIG-B000 Modulated IRIG-B120
DATA OUTPUT	FORMAT
RS422, 15 pin D type connector	1pps
ENVIRONMENT	RANGE
Temperature	Operating: 0°C to 50°C (32°F to 122°F) Storage: -20°C to 80°C (-4°F to 176°F)
SIGNAL ACCURACY	
Type	IRIG-B000, 004 Un-modulated
	IRIG - B120, 124 Modulated
Offset	+ 6µs
	+ 9µs
DIMENSIONS & WEIGHT	
Length	164 mm/ 6.5 in without end caps, 173 mm/ 6.8 in with end caps
Width	107.5 mm/ 4.2 in without end caps, 114 mm/ 4.5 in with end caps
Height	29.5 mm/ 1.2 in without end caps, 36 mm/ 1.43 in with end caps
Weight	0.45 kg/ 16 oz



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Specifications are subject to change without notice.
 Doble is ISO certified.
 Doble is an ESCO Technologies Company.
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