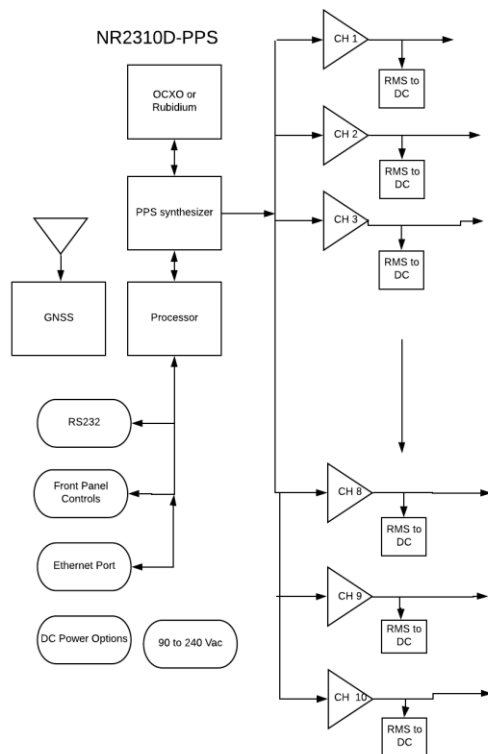


Company Datasheet #	NR2310D-PPS
Revision #:	A
Date:	07022020

NR2310D-PPS

10 Channel PPS Source with OCXO or Rubidium Holdover



All channels are monitored for a fault condition and built in test monitors critical circuits which drives panel indicators as well as alarm relay that can be wired into an alarm panel. OCXO or Rubidium holdover options (holdover

Networking

SNMP option

Low Channel Skewing

Channel skewing below 1 ns (typically below 200ps)

3.3 or 5 Vdc Logic Levels

Factory configurable to drive 50 Ohm loads

BNC or SMA Output

Dual PPS sources inputs and unit selects valid input

Technical Specifications

Output	5 or 3.3 Vdc Logic levels , 50 Ohm load capability
Connectors	Available BNC or SMA
Remote interface & control	
Protocol	RS232 NMEA-0183
Connector	DB-9
Location	Rear panel
Protocol	Bit plus stop
Standard Baud Rates	Selectable 4800, 9600, 19200, 38400, 57600 or 115200 bps
SNMP (option)	
Remote monitoring & control	Internet
Parameters monitored Locally – present on remote interface for monitoring	Output amplitude, all power supplies, Built-In test status,
Transaction/decodable commands	English format
Single monitoring command	Updated every second
Connector	RJ-45
Front Panel Display	Four line display, output status, input pulse amplitude and pulse width
Rise/Fall Times	< 5 ns
Pulse Latency	< 25ns
Pulse Skewing	< 1 ns Typical < 200 ps
Remote interface & control	
Protocol	RS232 NMEA-0183
Connector	DB-9
Location	Rear panel
Protocol	Bit plus stop
Standard Baud Rates	Selectable 4800, 9600, 19200, 38400, 57600 or 115200 bps
Power	
AC	Global AC power 90 to 250 VAC, 50/60hz, less than 10 watts
DC	Optional DC power – primary or back-up
Holdover	
OCXO	< 1 ms /day
Rubidium	< 10 usec/day

Environmental and Mechanical

Operating temperature	0 to 50C non-condensing	
Storage temperature	-40 to 70C	
Height	1RU (~1.73)	
Width	19 inch	
Depth	12 inch	
AC input	90 to 250 VAC, 50/60hz, less than 10 watts (DC power options available)	
Weight	≈5.5lbs	

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