

Geotest's GTX22x0 family of PXI universal time interval counters offer many of the measurement and timing functions of high-end stand-alone frequency counters, including accumulate, auto ratio, frequency, fast frequency (GTX2220 and GTX2230 only), period, ratio, single period, test clock, time interval, time interval delay, totalize, totalize gated, totalize gated once, and width.

There are three models available: the GTX2210, GTX2220 and GTX2230. The GTX2210 frequency range extends to 225 MHz, the GTX2220 covers frequencies up to 1.3 GHz, and the GTX2230 covers frequencies up to 2.0 GHz.

The GTX2220 and GTX2230 can determine any frequency to 0.1 parts per million (seven digits) in just 1 ms and resolve each time measurement to 100 ps. This ability to precisely resolve frequency and time allows for increased accuracy as well as reduced measurement time. When combined with 2,300 measurements/sec, one of the fastest rates available, more data can be acquired in a single second than a typical GPIB counter can acquire in one minute.

Programming & Software:

The board is supplied with a 32-bit DLL driver. Various interface files provide access to the DLL from programming tools and languages such as ATEasy, LabVIEW, Microsoft® and Borland® C/ C++, Microsoft Visual Basic®, Borland Delphi, and more. The available virtual panel can be used to interactively adjust and control the instrument from a window that displays the current instrument settings and measurements.

Key Features:

- 14 measurement functions
- DC to 225 MHz (GTX2210), DC to 1.3 GHz (GTX2220), DC to 2.0 GHz (GTX2230)
- 100 ps resolution without averaging (GTX2220 and GTX2230 only)
- Fast measurement mode: 2300 readings/sec
- External reference clock input
- External arming signal input
- Gate signal output
- Self-calibration feature ensures highest accuracy
- Programmable automatic adjustment of board setting to obtain a stable reading
- Software selectable input impedance (1 M Ω or 50 Ω) and coupling (AC or DC) for each input channel

Applications:

- ATE systems
- Event timing and measurements
- Frequency measurements
- Time interval measurements



If you thought you couldn't test it.....
.....talk to us !

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