# **TEXMATE** Smart Process Measurement A Control

# **Tiger 320 Series Programmable Meter Controllers**



- Easier to Program than a PLC
- Faster than a Process Controller
- Smarter than Modular or Remote I/O
- Better reliability than Micro PCs or SBCs
- Outperforms most Recorders and Data Loggers
- Eliminates external Counters, Timers and Tachometers
- Greater Integration than Racks of Transmitters
- Plug and Play over 140 signal conditioners
- More Communication Options than Dedicated Field Bus Devices
- faster implementation for a much lower cost



Compact Versatile Custom Automation

## www.texmate.com



The Tiger 320 Series of Programmable Meter Controllers incorporates, in one instrument, all the different functions required by today's automation and process control applications.

#### **1** Tiger 320 Operating System

A virtual toolbox of selectable and programmable application software functions are embedded in the Tiger 320 Operating System. They integrate seamlessly with a truly vast array of modular input and output hardware options.

**Embedded Application Software Includes:** 

- Multi-channel Inputs In Many Combinations
- Full Floating-point Maths
- Cross Channel Math (A+B, A-B, AxB, A/B)
- Square Root, Inverse and Log of Input
- 4 x 32 Point Or 1 x 125 Point Linearization Table
- Smart Auto Zero with Programmable Capture Band, Rate of Change and Aperture Window for Weighing Applications
- Set Tare, Reset Tare for Batching
- Smart Quick Response Averaging
- Smart Timer and Time Integration Functions
- Time and Event-based Sequencing
- Polynomial Calculations
- Remote Reset of Any Function
- Dual Totalizers
- Dual PID

#### 4 Powerful Custom Macro Programming

Texmate's BASIC to Tiger 320 Macro-language Compiler can quickly Convert your special metering, control and automation ideas into reality.

This powerful easy to use development system enables programs to be written in BASIC utilizing any combination of the hundreds of functions and thousands of registers embedded in the Tiger 320 Operating System. When your BASIC program is compiled into the Tiger 320 Macrolanguage it is error checked and optimized. There are also numerous off-the-shelf application specific programs available. Many only need the blanks to be filled in to use them and this does not require any knowledge of BASIC.

#### 5 Programmable Front Panel Controls

#### Programmable Front Panel Controls

The front panel buttons can be used to control or program any standard functions.



They can also be programmed to only access and display specifically designated functions, such as Tare, Auto-Cal or Print on Demand.

#### **2** Data Logging and Flash Card Memory Options

The Tiger 320 Operating System has built-in, sophisticated data logging software. Data logging can be triggered from the PROGRAM button, digital inputs, time or alarm functions.

Tiger PMCs can be configured to log in an endless loop, overwriting the oldest data first and utilizing the maximum amount of memory available. Similar to the Black Box on an aircraft, the data can be downloaded for analysis after a problem event occurs.

Data logging can be combined with an Ethernet converter to provide an individual Web Page with data that can be accessed by a browser over the internet.

Flash Cards are available from 4 to 128 meg. They can be removed and read by a standard card reader, or the

data can be downloaded through the serial port or over the internet with an Ethernet converter. The module also has an SSR setpoint output to trigger an external event.



#### 3 Real-time Clock

**15 year lithium battery** for printing and data logging and activating a setpoint or control action at fixed times of the hour, day, week, month or year.



**Scrolling annunciator messages** can be programmed to appear with any setpoint activation, selected events or logic inputs.

6 Configuration & Programming from a PC

#### PC Programming

Program the meter from a PC with Texmate's easy to use Tiger 320 Configuration Utility Program.



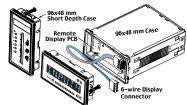
### A Wide Selection of Display Formats & 8 Case Sizes to Suit any Application

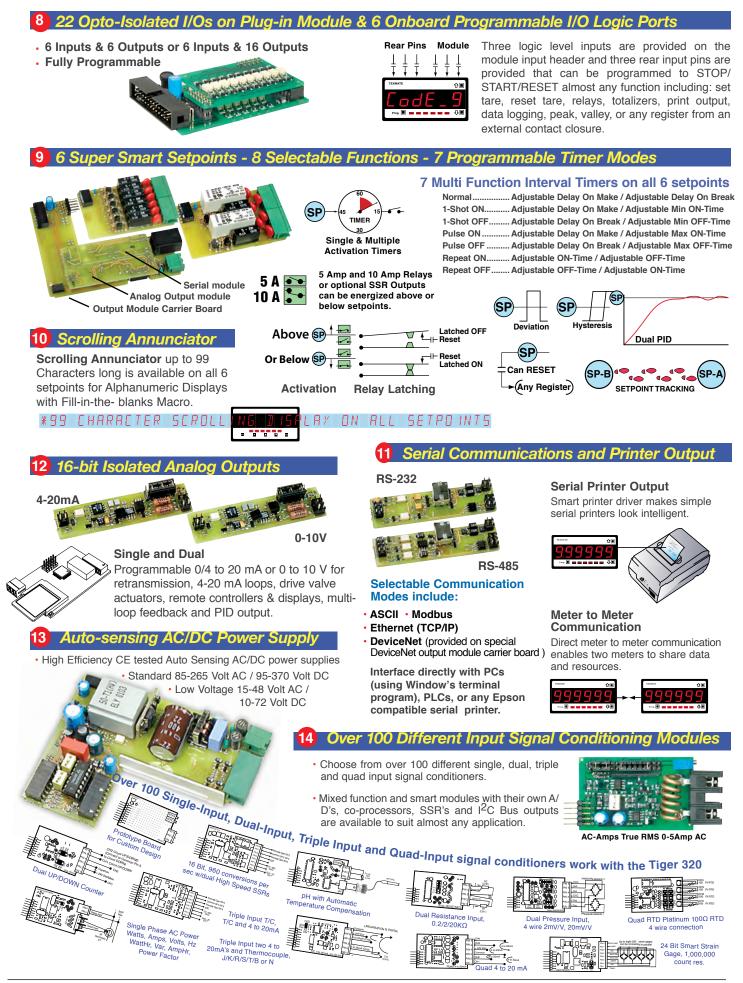


144x72mm 9/32 DIN

4 DIN 648x14 5 or 6 digit D 96x48mm1/8 DIN 96x48mm1/8 DIN 96x48mm1/8 DIN 195331 195331 195331 195331

648x144mm 4"LED Remote Display 5 or 6 digit Driven by RS485 from any Tiger 320

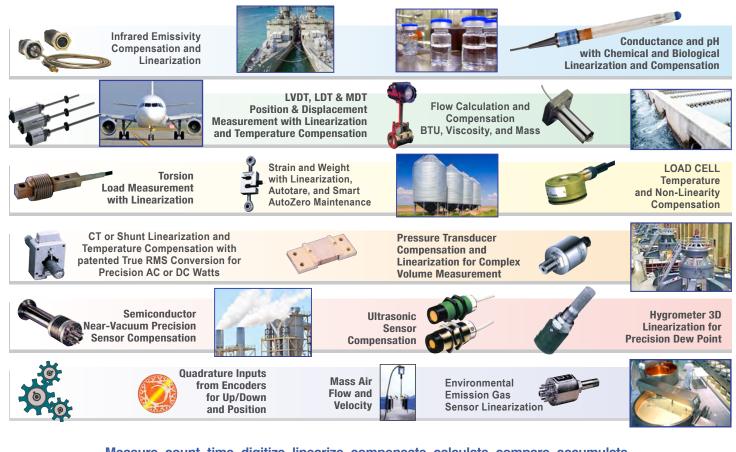




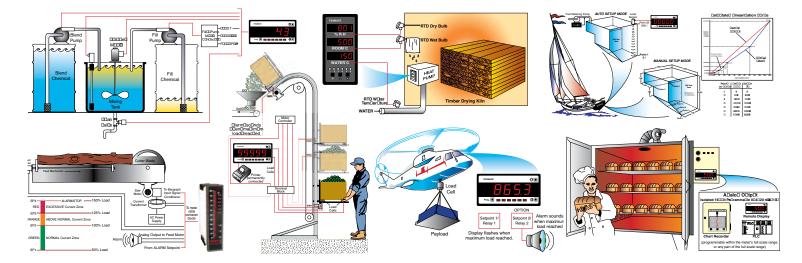
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# Super-Intelligent Tiger 320 Programmable Meter Controllers Enable All Types of Sensors to Accurately Outperform Themselves



Measure, count, time, digitize, linearize, compensate, calculate, compare, accumulate, integrate, annunciate, display, control, record, report and automate any process, in any industry, from any sensor, with the fantastic Texmate Tiger 320 Series of Programmable



#### Local Distributor Address

### **TEXMATE Smart Process Measurement** Control 450 State Place, Escondido, CA 92029

• For ordering info call:..... 1-800-TEXMATE • For tech assistance call: (760) 598-9899

• 24 Hours Fax: ...... (760) 598-9828 • Email: orderss@texmate.com

· Pricing and detailed data sheets are available online at www.texmate.com