

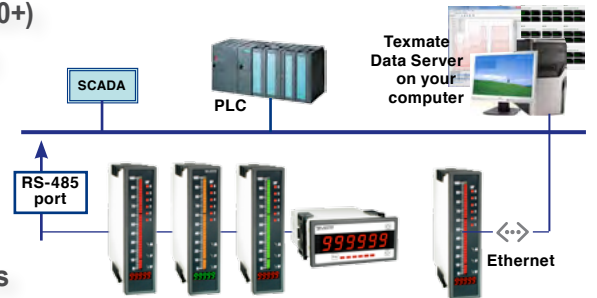


Texmate Intelligent Tiger Series

Tiger Family

Robust, Reliable, Programmable Smart Edge Meter Controllers and Transmitters for your IIoT Applications

- ▶ IIoT Edge Computing, Distributed Control System and SCADA ready
- ▶ Combine Process Control and Micro PLC
- ▶ Out of the box process control including PID, easy setup, no PLC programming required
- ▶ MicroRack modularity for easy maintenance and reconfiguration
- ▶ Industry's widest range of signal conditioning input modules (140+)
- ▶ Common Setpoint Control Outputs supported (relay, logic, SSR)
- ▶ Ethernet, USB, RS-485, RS-232 options (ASCII, Modbus)
- ▶ Analog Outputs available (single or dual mA/DCV)
- ▶ PC utility for custom meter configuration/setup
- ▶ 5, 6 and 8 Digit Display in multiple DIN case sizes available
- ▶ Texmate BASIC structured text language for Custom Applications

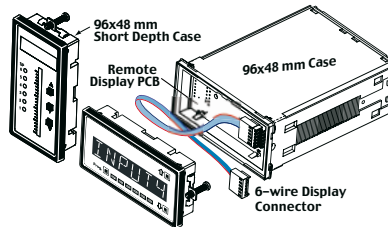


TI Series Transmitters / Micro PLC



Tiger Transmitters with Optional HMI Touch Screen Display

Optional Ultra-Short Depth Remote Display



144x72mm 9/32 DIN



GI-50

96x24mm1/16 DIN



BI-60A



DI-802XA

36x144mm 9/64 DIN



FI-B101D50



DI-60A



DI-60X



DI-503

DI-50AN6

DI-50B51



DI-60



DI-60A5C



DI-50



DI-602A5C

96x48mm1/8 DIN

Optional Custom Faceplate Design



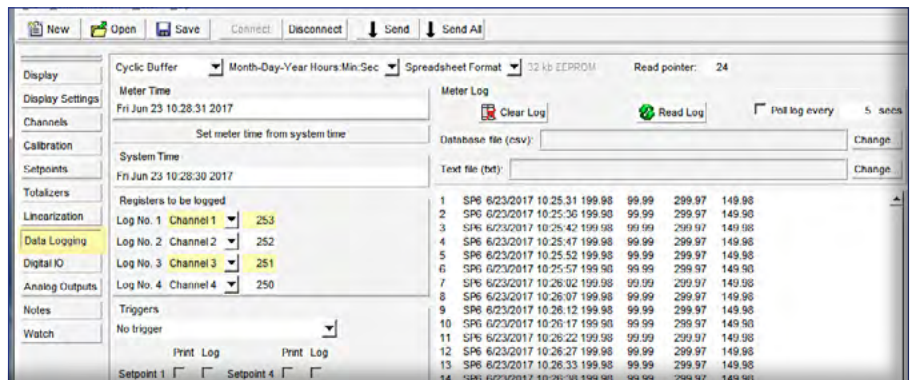
Texmate Intelligent Tiger Series

Reliable, powerful and intelligent, 5 to 8 digit Edge Programmable Meter Controller (Micro PLC) with over 140 single, dual, triple and quad modular input signal conditioners; over 30 I/O outputs including analog, serial, ethernet and relays; advanced configuration software and custom apps for your smart IIoT metering and control applications.

Embedded Application Software Includes:

- Up to 4 input channels with cross channel math (A+B, A-B, Ax B, A/B) between CH1& CH2 for multi-channel processing
Full Floating-point Math
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
Smart Quick Response Averaging
Smart Timer and Time Integration Functions
Time and Event-based Sequencing
Polynomial Calculations
Remote Reset of Any Function
Dual independant Totalizers
Dual PID
Set Tare, Reset Tare for Batching and Weighing
Peak & valley (max & min) with front panel recall and reset
Setpoints activated from any input, any register in the meter or from any digital input.
Autozero maintenance for super stable zero reading is provided for use in weighing applications
Tiger Operating system programmable using BASIC syntax to develop custom applications (Macro).

The Tiger Operating System has built-in, sophisticated data logging software with date/time stamp to log in an endless loop. Number of samples limited only by the size of the SD card. It can be triggered from the PROGRAM button, digital inputs, time or alarm functions. Data Logging combined with an Ethernet interface for edge computing and cloud data analytics applications



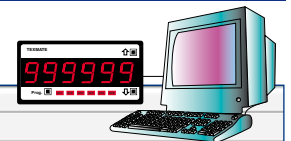
15 year lithium battery

Real-time Clock for printing, data logging and activating a setpoint or control action at fixed times of the hour, day, week, month or year.

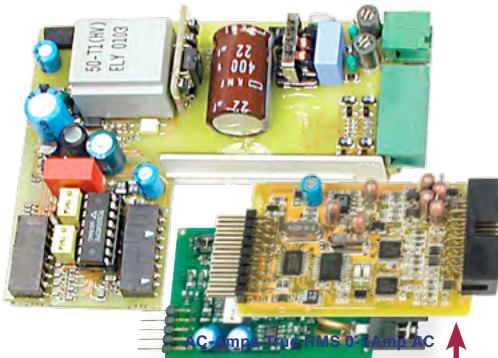


Configuration & Programming the meter from a PC

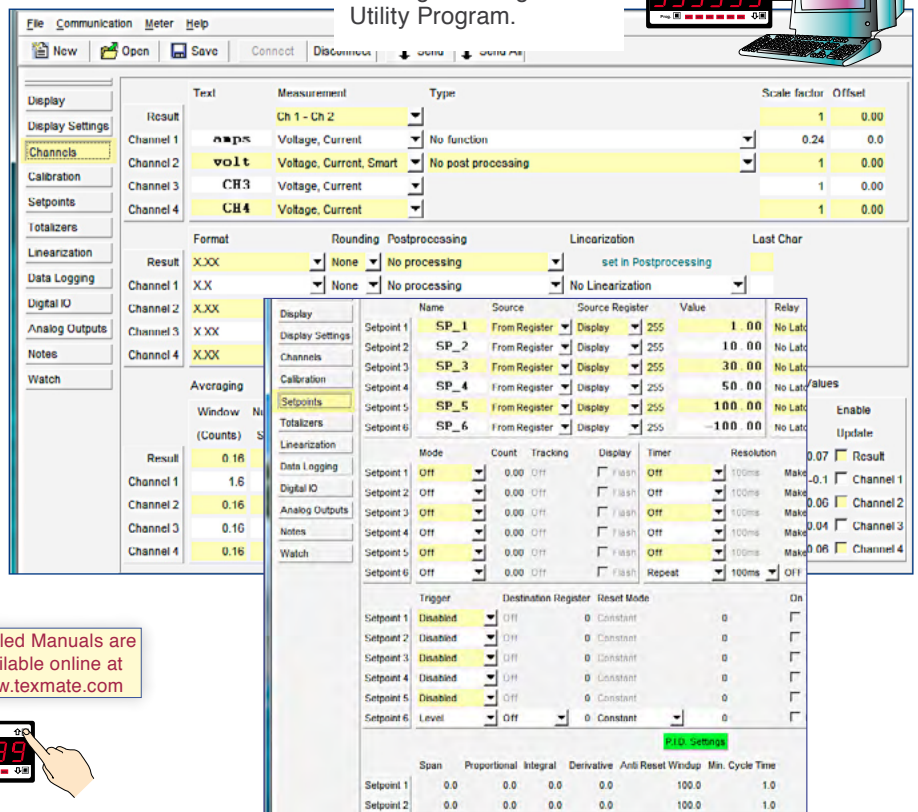
with Texmate's easy to use Tiger Configuration Utility Program.



Over 140 Different Input Signal Conditioners to choose from



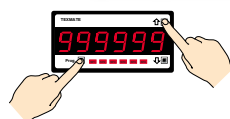
- Choose from over 140 different single, dual, triple and quad input signal conditioners.
Mixed function and smart modules with their own A/D's, co-processors, SSR's and I2C Bus outputs are available to suit almost any application.



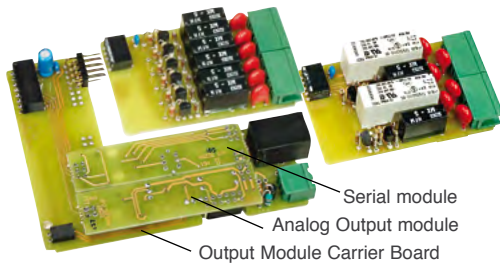
Programmable Front Panel Controls

The front panel buttons can be used to control or program any standard functions. or to only access and display specifically designated functions, such as on demand Tare, Auto-Cal and Compensation.

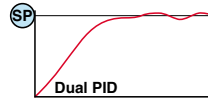
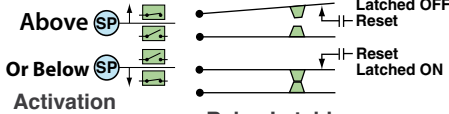
Detailed Manuals are available online at www.texmate.com



6 Super Smart Setpoints - 8 Selectable Functions - 7 Programmable Timer Modes



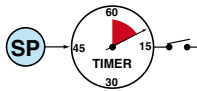
4 Amp and 9 Amp Relays or optional SSR Outputs can be energized above or below setpoints.



6 super smart, independently programmable setpoints with 8 selectable functions, including latching, deviation, hysteresis, register resetting, tracking and PID plus 7 programmable timer modes on all 6 setpoints

7 Multi Function Interval Timers on all 6 setpoints

- Normal..... Adjustable Delay On Make / Adjustable Delay On Break
- 1-Shot ON..... Adjustable Delay On Make / Adjustable Min ON-Time
- 1-Shot OFF..... Adjustable Delay On Break / Adjustable Min OFF-Time
- Pulse ON..... Adjustable Delay On Make / Adjustable Max ON-Time
- Pulse OFF..... Adjustable Delay On Break / Adjustable Max OFF-Time
- Repeat ON..... Adjustable ON-Time / Adjustable OFF-Time
- Repeat OFF..... Adjustable OFF-Time / Adjustable ON-Time



Single & Multiple Activation Timers

High Efficiency CE tested
Auto-sensing AC/DC Power Supply

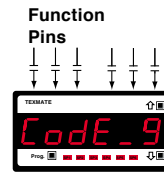
- Standard 85-265 VAC / 95-300 VDC
- Optional Low Voltage 15-48 VAC /10-72 VDC

Scrolling Annunciator up to 99 Characters long is available on all 6 setpoints for Alphanumeric Displays with Fill-in-the-blanks Custom Apps.

***99 CHARACTER SCROLLING DISPLAY ON ALL SETPOINTS**



Programmable Function Pins



Three logic level inputs are provided on the function pin header that can be programmed to STOP/START/RESET almost any function including: set tare, reset tare, relays, totalizers, print output, data logging, peak, valley, or any register from an external contact closure. Setup using Code 9.

Up to 22 Opto-Isolated I/Os Plug-in Module

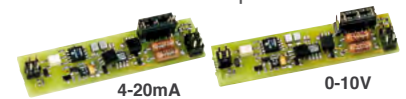
Plug-in I/O modules include solid state relays, logic outputs or open collector outputs; 6 inputs & 16 outputs of opto-isolated I/O can be connected to an external DIN Rail terminal block module.



6 Inputs & 6 Outputs Fully Programmable with custom applications

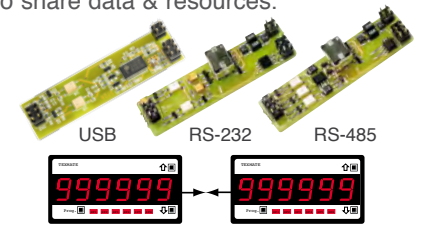
16-bit Isolated Analog Outputs

Single and Dual Programmable 0/4 to 20 mA or 0 to 10 V for retransmission, 4-20 mA loops, drive valve actuators, remote controllers & displays, multi-loop feedback and PID output.



Serial Output Options

include RS-232, RS-485, ModBus, Ethernet, USB or Direct **Meter to Meter** enables two meters to share data & resources.

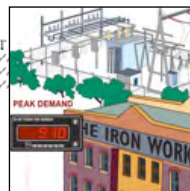


Tiger Development System - PeakValley.bas

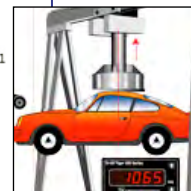
```

73
74 ELSIF &TIMER1 > &Time THEN
75
76 &VALLEY = 0
77 &PEAK = 0
78 &TIMER1 = 0
79 GOSUB LEDS_OFF
80
81 IF &STATE = 0 AND &EDIT_STATE = 0 THEN
82 IF |PROG_BUTTON = ON THEN
83 IF &TIMER2 > PROG_TIMEOUT THEN
84 EDIT &Time
85 GOSUB LEDS_ON
86 &CURRENT_DISPLAY FORMAT
87 &EDIT_MAX = 36000
88 &EDIT_MIN = 2
89 &EDIT_DEF = 30
90 &STATE = 1
91 WRITE "Time slot"
92
93 ENDIF
94 ELSE
95 &TIMER2 = 0
96
97 ENDIF
98
99 EISE
100 &TIMER2 = 0
101
102 ENDIF
103
104 END
105
106
107
108
109
110
111
112
113 EISE
114 &TIMER2 = 0
115
116 ENDIF
117
118 END
119
    
```

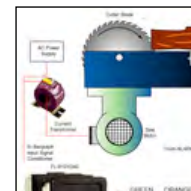
Textmate's **Powerful Smart Custom Applications**
BASIC and Tiger Compiler can quickly Convert your special metering, control and automation ideas into any proprietary OEM application.



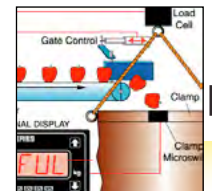
App 44 Peak Demand



App 41 Weighing with Tare Zero Offset



App 15 AC Current Measurement Load Control



App 14 Bag Filling Machine using Load Cell Input

More



Texmate Intelligent Tiger Series

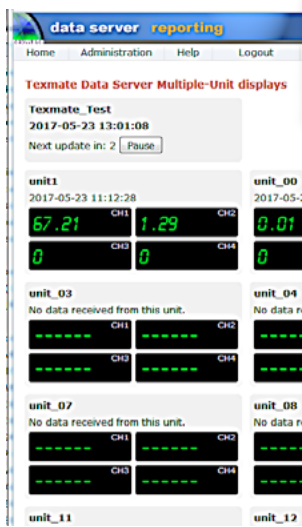
Super-Intelligent Tiger Micro PLC

Enable All Types of Sensors to Accurately Outperform Themselves

	Infrared Emissivity Compensation and Linearization		LVDT, LDT & MDT Position & Displacement Measurement		Flow Calculation and Compensation BTU, Viscosity, and Mass with Linearization and Temperature Compensation		Conductance and pH with Chemical and Biological Linearization and Compensation
	Torsion Load Measurement with Linearization		Strain and Weight with Linearization, Autotare, and Smart AutoZero Maintenance		Pressure Transducer Compensation and Linearization for Complex Volume Measurement		LOAD CELL Temperature and Non-Linearity Compensation
	CT or Shunt Linearization and Temperature Compensation with patented True RMS Conversion for Precision AC or DC Watts		Semiconductor Near-Vacuum Precision Sensor Compensation		Ultrasonic Sensor Compensation		Hygrometer 3D Linearization for Precision Dew Point
	Quadrature Inputs from Encoders for Up/Down and Position		Mass Air Flow and Velocity		Environmental Emission Gas Sensor Linearization		

Measure, count, time, digitize, linearize, compensate, calculate, compare, accumulate, integrate, annunciate, display, control, record, report, communicate and automate any process, in any industry, from any sensor, with the Texmate Tiger Family of Programmable Meter Controllers.

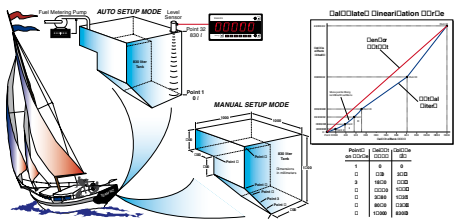
Custom applications for your smart metering and smart control industrial processes



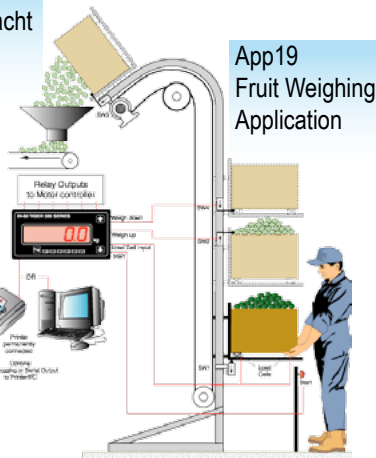
Texmate Data Server (PC-based meter server with multiple meter viewer, meter-to-meter data exchange, alarm emails, and historian database, requires Texmate Custom Application to be installed)



Texmate Data Viewer (PC-based single meter data log viewer, historian with Batch Controller application)



App 23 Linearize Yacht Fuel Tank Application



App 19 Fruit Weighing Application

TEXMATE Smart Metering Smart Control
1934 Kellogg Ave. Carlsbad CA 92008

Since 1976

- For ordering info call:..... 1-800-TEXMATE (800-839-6283)
- For tech assistance call: (760) 598-9899
- Email: orders@texmate.com