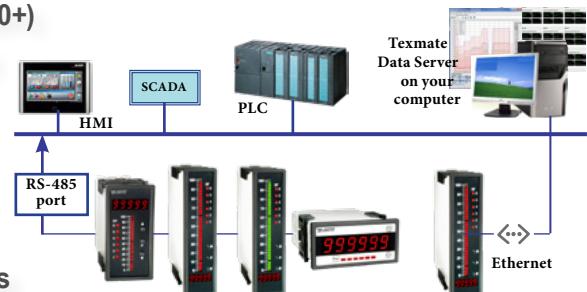


Super Intelligent I-Series Tiger Family

Robust, Reliable, Programmable Smart 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



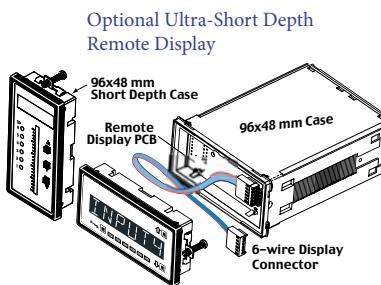
DI-503

DI-50AN6

DI-50B51



Optional Custom
Faceplate Design



Optional Ultra-Short Depth
Remote Display



GI-50EB101



96x24mm 1/16 DIN



DI-802XA



BI-60A



DI-60A



DI-60X



DI-60



DI-60A5C

96x48mm 1/8 DIN

DI-50

DI-602A5C



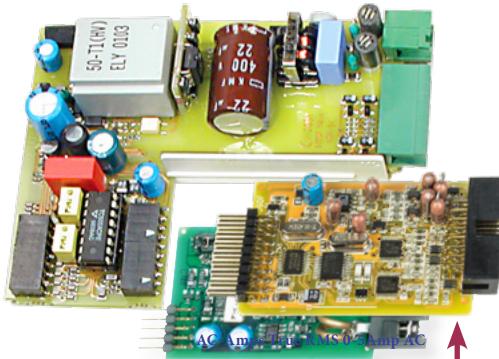
Texmate Intelligent
Tiger Series

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, AxB, 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).

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



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

Cyclic Buffer		Month-Day-Year Hours:Min:Sec	Spreadsheet Format	32 kb EEPROM	Read pointer:	24
Meter Time		Fri Jun 23 10:28:31 2017				
Set meter time from system time						
System Time		Fri Jun 23 10:28:30 2017				
Registers to be logged						
Log No. 1	Channel 1	253				
Log No. 2	Channel 2	252				
Log No. 3	Channel 3	251				
Log No. 4	Channel 4	250				
Triggers		No trigger				
Print Log						
Setpoint 1						
Setpoint 4						
Setpoint 5						
Setpoint 6						
Setpoint 7						
Setpoint 8						
Setpoint 9						
Setpoint 10						
Setpoint 11						
Setpoint 12						
Setpoint 13						
Setpoint 14						

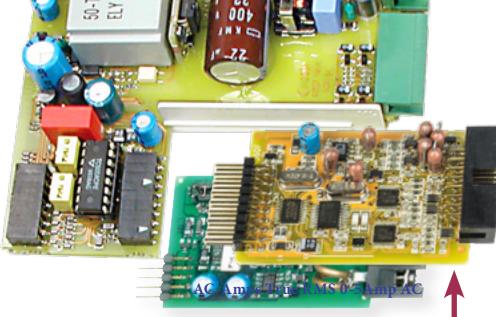
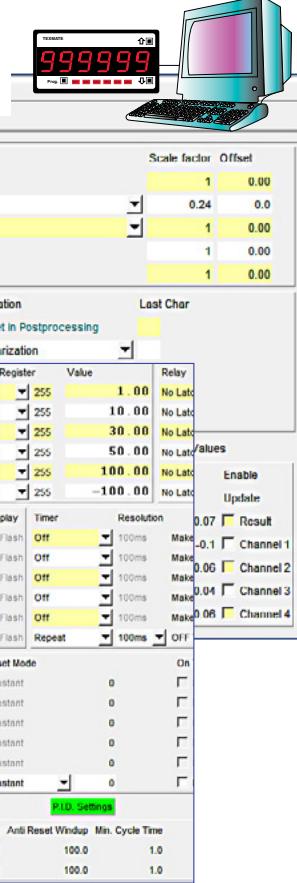
15 year lithium battery

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.



- 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.

File		Communication	Meter	Help
New	Open	Save	Connect	Disconnect
Print	Print Log	Print Log		
Exit				
Display		Measurement	Type	Scale factor
Display Settings		Ch 1 - Ch 2	No function	1 0.00
Channels		Ch 1	Voltage, Current	0.24 0.00
Calibration		Ch 2	Voltage, Current, Smart	1 0.00
Setpoints		Ch 3	Voltage, Current	1 0.00
Totalizers		Ch 4	Voltage, Current	1 0.00
Linearization				
Data Logging				
Digital IO				
Analog Outputs				
Notes				
Watch				

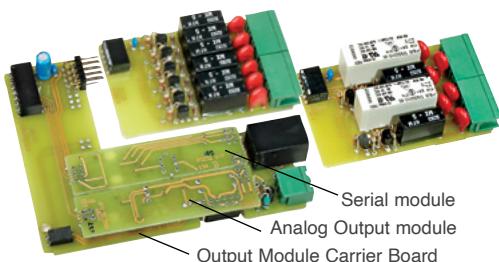
Programmable Front Panel Controls

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



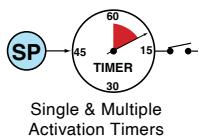
6 Super Smart Setpoints - 8 Selectable Functions - 7 Programmable Timer Modes



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

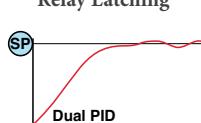
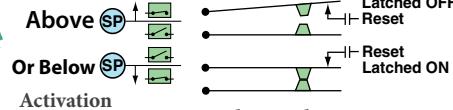
7 Multi Function Interval Timers on all 6 setpoints

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

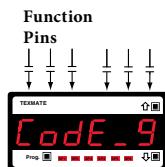


Single & Multiple Activation Timers

4 Amp and 9 Amp Relays or optional SSR Outputs can be energized above or below 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 & 16 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.



Scrolling Announcer 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

Tiger Development System - PeakValley.bas

File Edit Search Compiler Connection Help

New Open Save Undo Erase Macro F7

Open Port Download F9 Macro State Macro Single Step Macro Locked

Functional Listing Alphabetic Listing

```

73 ELSIF &TIMER1 >= &Time THEN
74   &VALLEY = 0
75   &PEAK = 0
76   &TIME1 = 0
77   COSINE TENS OFF
78
79
80
81
82
83
84
85
86
87
88
89 IF &STATE = 0 AND &EDIT_STATE = 0 THEN
90
91 IF |PROG_BUTTON = ON THEN
92
93 IF &TIMER2 > PROG_TIMEOUT THEN
94
95   EDIT &Time
96   COSINE LEDG ON
97   &CURRENT_DISPLAY_FORMAT
98   &EDIT_MAX = 30000
99   &EDIT_MIN = 2000
100  &EDIT_DEF = 30
101
102
103  &STATE = 1
104  WRITE "Time slot"
105
106  ENDIF
107
108 ELSE
109   &TIMER2 = 0
110
111  ENDIF
112
113 ELSE
114   &TIMER2 = 0
115
116 ENDIF
117
118 END
119

```

Watch Window

Active	Label	Registered	Format	Value

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

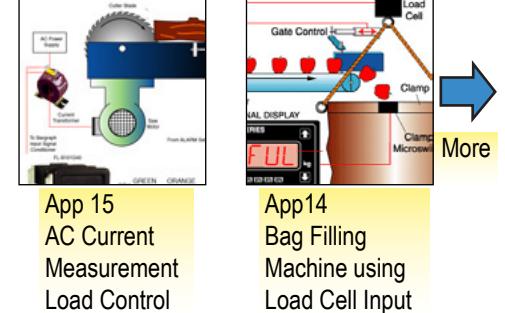
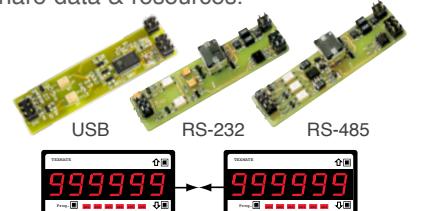
App 44 Peak Demand

App 41 Weighing with Tare Zero Offset

App 15 AC Current Measurement Load Control

App14 Bag Filling Machine using Load Cell Input

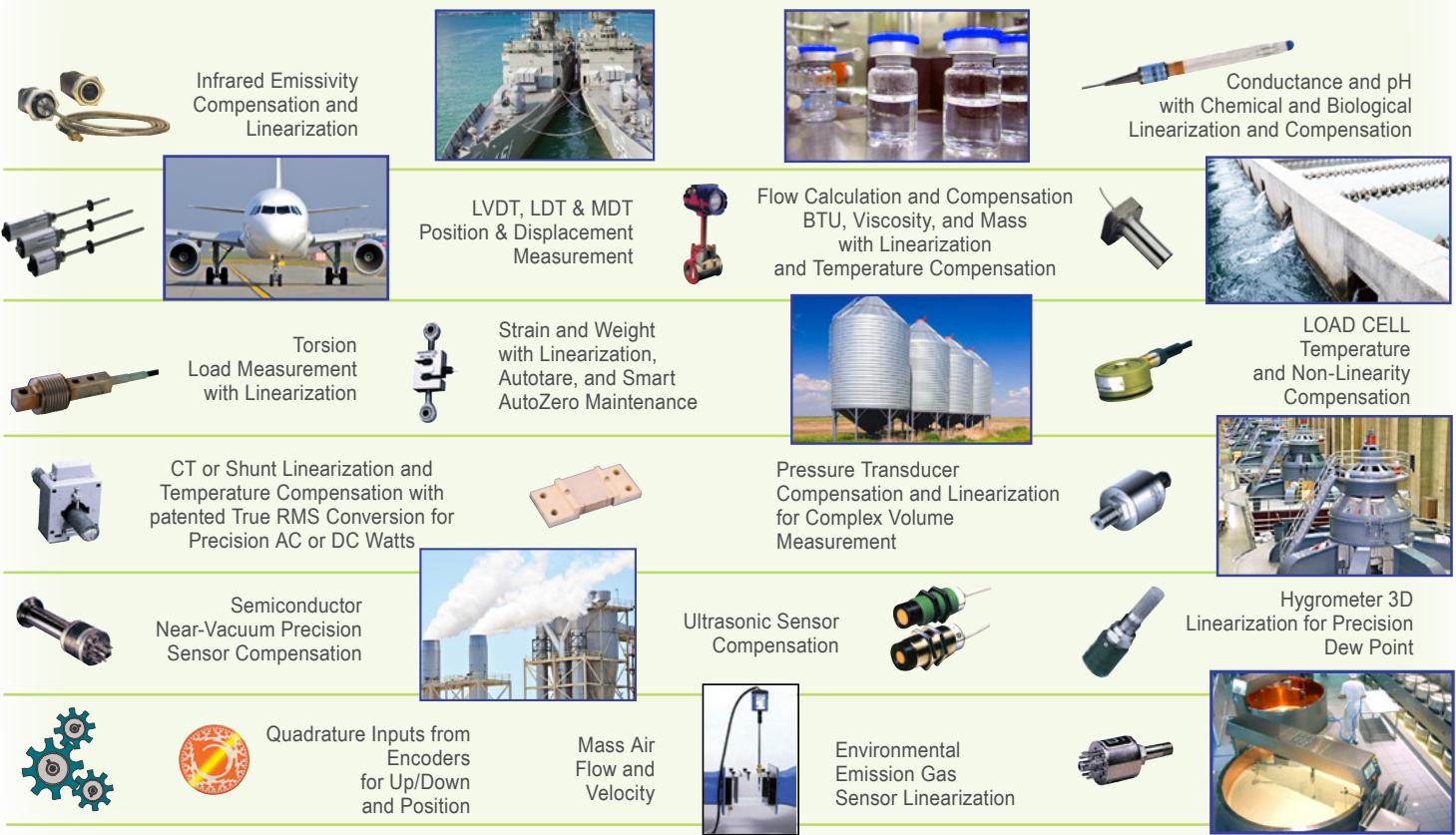
Serial Output Options include RS-232, RS-485, ModBus, Ethernet, USB or Direct **Meter to Meter** enables two meters to share data & resources.



More

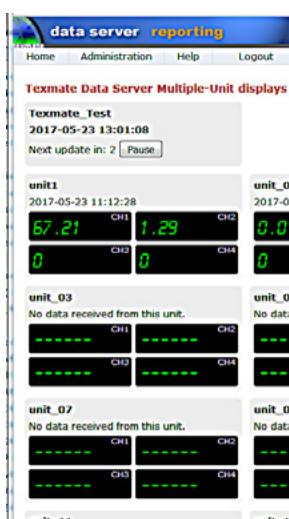
Super-Intelligent Tiger I-Series Micro PLC

Enable All Types of Sensors to Accurately Outperform Themselves

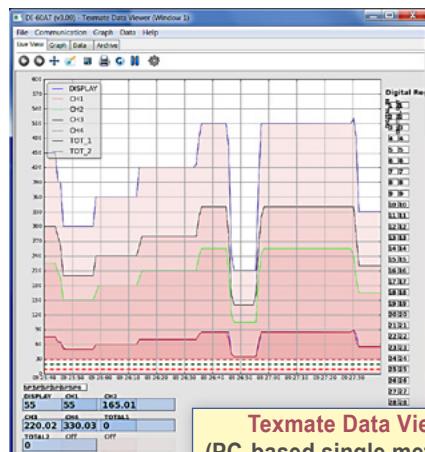


Measure, count, time, digitize, linearize, compensate, calculate, compare, accumulate, integrate, annunciate, display, control, record, report, communicate and automate any process, in any industry, from any sensor, with the Texmate I-Series Tiger Family of Programmable Meter Controllers.

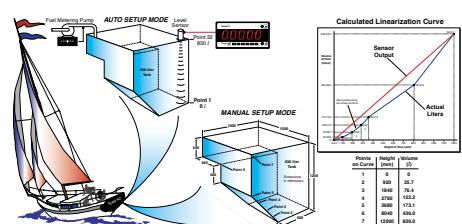
Custom applications for your smart metering and smart control industrial processes



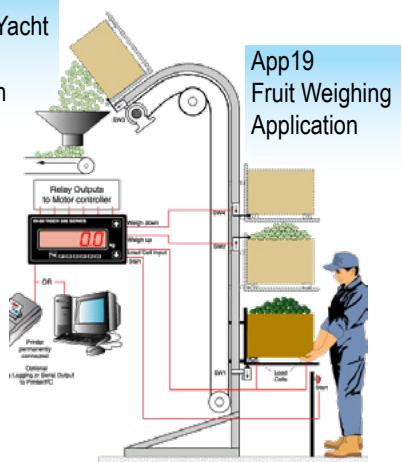
Texmate Data Server (PC-based meter server with multiple meter viewer, meter-to-meter data exchange, alarm emails, and historian database, requires Texmate Custom Application to be installed)



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
Since 1976
1934 Kellogg Ave. Carlsbad CA 92008

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