

Texmate Innovation Update

September 2017

Texmate continues to drive innovation and update its operations to meet market demands. The following is a summary of recent accomplishments and active projects.

1. UL Certification of Tiger, Leopard and Lynx meter/controller families (UL 61010-1) [E469078](#).
2. Qualification of RoHS compliant SMD and through-hole manufacturing capability.
 - a. Currently, customers can request RoHS compliance as a special build option. All product that carries the CE mark is automatically built using the RoHS process.
 - b. By Q1 2018, Texmate will complete transition of its full manufacturing line to RoHS compliance, but will maintain the capability to produce product using lead-based solder for high reliability applications as a special build option.
3. Completion of the CE mark conformity assessment.
 - a. Per EU Directive 768/2008/EC and corresponding update of Texmate's Technical File.
4. Introduction of our DIN rail mountable, signal conditioner/transmitter (4-20mA) line:
 - a. TT: single/dual inputs (voltage, current, temperature), single/dual 4-20mA outputs or 4-20mA/RS-485 (Modbus). [TT Product Brief](#)
 - b. TL: Leopard class process control capability with 38 input signal conditioning options (AC, DC, frequency, process loop, load cell, potentiometer, temperature, pressure/load cell), one or two relay outputs for alarm/control applications, 4-20mA analog output, remote display/programmer. (UL Certification in process) [TL Product Brief](#)
 - c. TI: Tiger class microPLC capability with 140+ input signal conditioning options (TL inputs in single, dual, triple and quad options, LVDT, magnetorestrictive, single phase power), single/dual isolated analog outputs, up to 6 relay/SSR outputs, up to 16 digital I/O, USB / RS232 / RS485 / Ethernet communication in ASCII or Modbus, custom application software using TexBASIC structured text programming, PID (2 channels), linearization tables, totalizers, real time clock, data logging with Flash Card (UL Certification in process). [TI-500 Series](#)
5. Qualification for Industrial Internet of Things (IIoT) applications.
 - a. Edge connectivity and localized data analytics/processing is available now with Tiger MicroPLC controllers.

- b. Data Server browser-based software application, with security features, has HMI monitoring capabilities and allows data historian, inter-meter data transfer, and email alarms via Ethernet TC/PIP for Tiger MicroPLC controllers running a custom TexBASIC application – [available now!](#)
 - c. HMI to connect and monitor up to 32 Tiger MicroPLC controllers (RS-485), qualification in process, *anticipate January 2018 availability.*
 - d. Gateway connectivity for security, intermediate data analytics and processing, and data transmission to Cloud applications for high end data analytics (*qualification Q1 2018*).
6. Application Specific Product Offerings
- a. TL-IP02 DIN Rail 4-20mA to 4-20mA Isolator – [available now!](#)
 - b. TL-IA05 or TL-IA11 5A AC scaled or true RMS Transmitter – [available now!](#)
 - c. TL-IA01 or TL-IA06 300V AC scaled or true RMS Transmitter – [available now!](#)
 - d. TLF-IF08 AC Line Frequency Transmitter – [available now!](#)
 - e. SG-100 Load Cell Controller (weighing applications) is a Tiger class microPLC with single, dual and quad load cell options and all the Tiger control options and TexBASIC suitable for custom calculations and control algorithms – *available Q4 2017.*
 - f. LVDT-200 Displacement Controller is a Tiger class microPLC with dual LVDT inputs, all the Tiger control options and TexBASIC suitable for custom calculations and control algorithms – *available Q1 2018.*
7. Power, Control Room and Switchboard Applications
- a. Texmate's Power Transducer line - For single and three phase power measurements providing 4-20mA or 0-10VDC output options in screw-mount or DIN rail mount housings (average or true RMS volts or amps, watts, watt-hours, VARs, VAR-hours, watts + watt-hours, watts + VARS, VARS + VAR-hours, power factor, frequency) – [available now!](#)
 - b. DV series Analog + Digital Display Switchboard Meter - Combines the proven visibility of an analog (pointer) display with the accuracy of a digital readout. Accepts AC V/A/mA, DC V/mV/A/uA inputs. Direct replacement for Yokogawa 123 Dual-Vue – [available now!](#)
 - c. Duo-Meter and Tri-Meter Switchboard Power Meters - Based on the popular BX series Lynx Panel Meter and BL Leopard Process Controller, two or three meters can be mounted in a standard switchboard cutout for single phase (e.g., V, A, Hz) or three phase (e.g., V/V/V, A/A/A) power measurement applications – [available now!](#)