Technical Bulletin

Mettler Toledo

Please Distribute to all Sales and Service Personnel

Number: **R-11-99**
Date: **12-27-99**
Model: **SmartTouch Masters**
Subject: **LEDs**

The status LEDs, on the SmartTouch master, indicate various conditions. There are two different masters. The "Classic" master, PCB assembly *14281700A, supports only TNET communications. The newer SmartTouch Ethernet Master (STEM), PCB assembly *15578600A, supports both TNET and Ethernet communications. The status LEDs will operate the same on either master, while the STEM has additional Ethernet status LEDs.

LED Number / Function

- I1 - This will be ON when receiving and processing host commands.
- I2 - When flashing in product software (holding the calibration button while turning the power to the product on) this LED will be ON. In normal operation, if an error is detected in the master software, the LED will be ON. Normally this LED is OFF.
- I3 - This LED will alternately flash ON / OFF with LED I4 while the master software is starting up. This will last for about 3 seconds. Afterwards, this LED indicates TNET communications. When no TNET satellites are detected, the LED will be blinking at a slow rate. It will actually look dim at this rate. If TNET satellites are detected, the LED will be turned ON more (blinking) and will look brighter.
- I4 - This LED will alternately flash ON / OFF with LED I3 while the master software is starting up. This will last for about 3 seconds. This LED should be ON during normal operations. If it is not ON, the software has failed to properly start.
- I5 (BSE) - This LED is only on the STEM. This LED will be ON when the Ethernet controller is being accessed. If data packets are received or transmitted this LED will be ON briefly.
- I6 (RX) - This LED is only on the STEM. This LED will be ON whenever Ethernet data packets are received for the STEM.
- I7 (LNK) - This LED is only on the STEM. This LED will be ON if the STEM is properly connected and communicating to a hub.
- I8 (TX) - This LED is only on the STEM. This LED will be ON whenever the STEM transmits Ethernet data packets.