DTS 310
LED Definitions

1   ABSTRACT

This document describes the LED patterns and sequences of the Measurlogic DTS 310 meters.

2   DTS 310 LED Definitions

The DTS 310 is equipped with 3 LED groups for information and troubleshooting – **STATUS**, **REMOTE**, and **PULSE**.

2.1   Status LED

The DTS 310 has a separate **STATUS** LED for each of the three measurement phases (A, B and C). The **STATUS** LED for each phase consists of a repetition of **two flashes** which shows whether the measured power is being consumed/imported or generated/exported, as well as the magnitude of the current load on that phase.

1. The **First Flash** is the "heartbeat" and indicates that the meter is ON and the direction of energy:

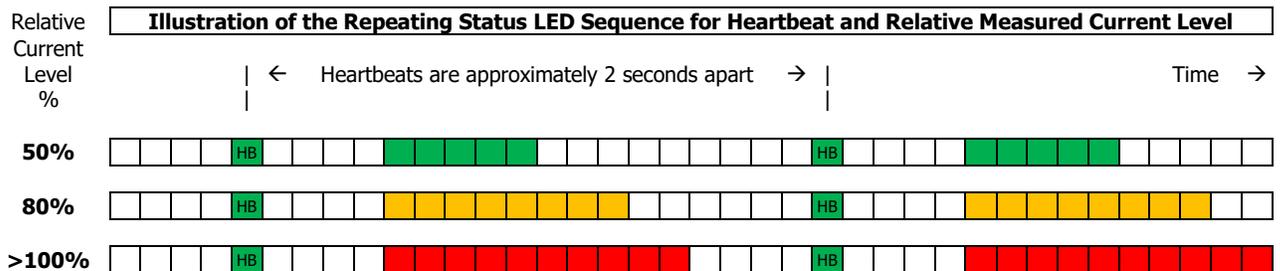<div style="text-align:center; color:green">Green – Energy is being consumed/imported</div>

<div style="text-align:center; color:orange">Orange – Energy is being generated/exported</div>

2. The Color and Length of the **Second Flash** indicates the "current load level" for each of the three measured phases relative to the service current of each phase:

   - GREEN   for 5-80%   of total service current
   - ORANGE for 80-100%   of total service current
   - RED   for >100%   of total service current

Relative Current Level %	Illustration of the Repeating Status LED Sequence for Heartbeat and Relative Measured Current Level
	| ← Heartbeats are approximately 2 seconds apart → | Time →
50%	
80%	
>100%	

2.2 Remote LED

- The **REMOTE** LED is a communications indicator which is present on all meters fitted with an RS-485 serial port.

- The LED will flicker GREEN when the DTS 310 receives data on the BUS and AMBER when the DTS 310 transmits data in response.

Green – Data being received   Amber – Data being transmitted

2.3 Pulse LED

- The **PULSE** LED is an indicator LED that flashes amber every time the measured kWh passes a settable threshold. The pulse rate is set using the DTS Config software configuration tool or DIP switches (model dependent).