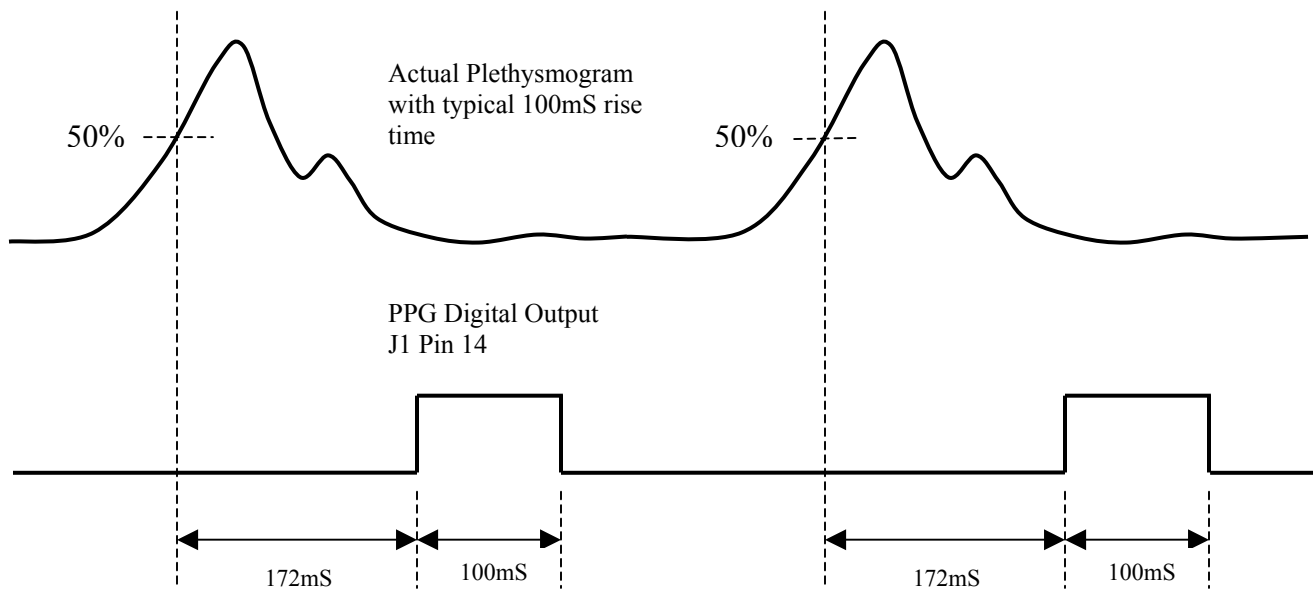


## OEM III PPG Digital Output Feature

The Photo Plethysmogram (PPG) Digital Output is a 100msec wide signal indicating pulse detection. The PPG output occurs 172msec  $\pm$  1msec after the middle of the pulse inrush. The 172msec latency is based upon a typical pulse inrush rise time of 100msec.



### Applications

The PPG Digital Output is typically used in conjunction with an ECG signal to measure Pulse Transit Time (PTT) from the heart to the SpO<sub>2</sub> measurement site. Another application is to measure transit time differences between two or more photo-plethysmographic signals (requires two or more modules).