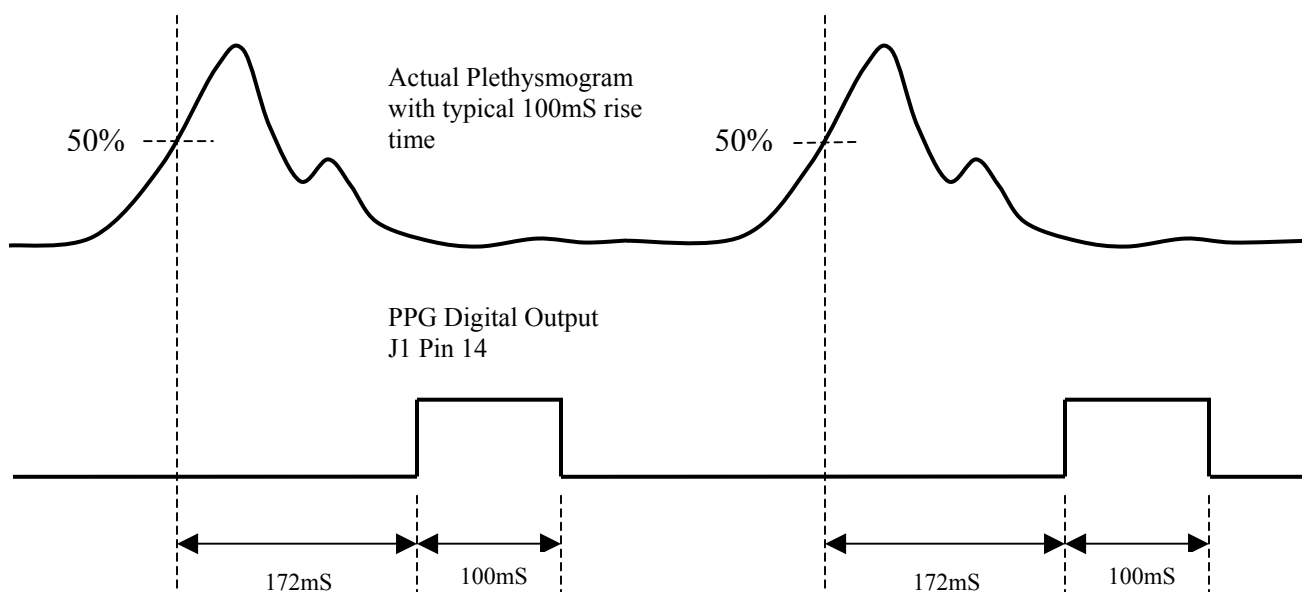


OEM III PPG Digital Output Feature

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 SpO₂ measurement site. Another application is to measure transit time differences between two or more photo-plethysmographic signals (requires two or more modules).