



Ultrasonic Pulse Velocity (UPV) Data Examples

A signal generated from the nondestructive method of UPV can be considered a good signal if it meets all three of the following requirements as shown:

- 1) The signal should begin or originate at the origin, zero point, of the graph.
- 2) The arrival time of the wave should be very clear and apparent, regardless if it breaks up or down.
- 3) The signal should not be clipped.

The orientation may also affect data quality. Therefore, it is useful if time permits, to try multiple orientations.

If the data attained does not meet all three of the above requirements then the field technician should adjust the gain setting, remount the transducers, and acquire new data.

