

EZPressure

INSTALLATION/SOFTWARE/USAGE

Q: Question

How is “drop time” measured?

A: Answer

Drop time is shown on the device screen and Audit software in milliseconds (ms).

The peak pressure is taken as reference for the calculation. The time difference is calculated after peak and the drop time is difference between 80% peak and 20% peak.

$$t_{drop} = t_{20} - t_{80}$$

In this example below, 80% of the peak is calculated at 1.05 sec and 20% of the peak is calculated at 1.07 sec. Therefore, drop time is calculated as 1.07-1.05 = 0.02 sec which is 20 ms.

Peak Pressure is = 1.87 mbar

80% of the peak pressure = 1.49 mbar at 1.05 sec 20 ms 20% of the peak pressure 0.37 mbar at 1.07 sec

