

Distinguish, differentiate, compare and explain what is the main difference between Logic Analyzer and MSO in test and measuring instruments. Comparison and Differences.

Difference between Logic Analyzer and MSO

S.No.	Logic Analyzer	MSO
1	Typical/maximum channel count is 68/204+.	Typical/maximum channel count is 16/32.
2	Triggering is advanced sequential.	Triggering is Single event across analog and digital.
3	Serial bus triggering and decode is extremely limited.	Serial bus triggering and decode is present for I2C, SPI, CAN LIN, FlexRay, RS-232/UART, JTAG, USB
4	State analysis (asynchronous sampling) is present with separate channels for clocks.	State analysis (asynchronous sampling) is not present as there is no clock input.
5	Time analysis (synchronous sampling) is present.	Time analysis (synchronous sampling) is present.