

TABLE 1 MAJOR MANUFACTURERS' REAL-TIME-SCOPE PRODUCT LINES (TEKTRONIX LISTED SEPARATELY)

| Instrument series | Bandwidth (Hz) | Maximum real-time sampling rate (all channels, samples/sec) | Maximum real-time sampling rate (half channels, samples/sec) | Maximum memory length (all channels, points/channel) | Maximum memory length (half channels, points/channel) | No. and type of channels | Series starting price (\$) |
|----------------------------------------|----------------|-------------------------------------------------------------|--------------------------------------------------------------|------------------------------------------------------|-------------------------------------------------------|-----------------------------|----------------------------|
| Agilent real-time oscilloscopes | | | | | | | |
| DSO3000 | 60 to 200M | 500M | 1G | 4k | 4k | Two analog | 1000 |
| DSO/MSO6000 | 100M to 1G | 2G | 4G | 4M | 8M | Two or four analog/16 logic | 4600 |
| DSO/MSO8000 | 600M to 1G | 2G | 4G | 64M | 128M | Four analog/16 logic | 15,000 |
| 54852A | 2G | 10G | 10G | 1M* | 1M* | Four analog | 28,000 |
| 5485X | 2.5 to 7G | 20G | 20G | 1M* | 1M* | Four analog | 3000 |
| DSO80000 | 8 to 13G | 20G | 40G | 1M** | 2M** | Four analog | 75,000 |

Notes:

*To 32M points/channel when sampling at 2G samples/sec or less.

**To 32M points/channel on all channels or 64M points/channel on half the channels when sampling at 4G samples/sec or less.

LeCroy real-time oscilloscopes

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|--------------------------------------------------------------------------------------------------------|-------------|-----------|-----------|-----|------|------------------------------------------|--------|
| WaveSurfer | 200 to 500M | 1G | 2G | 1M | 2M | Two or four analog/32 digital (optional) | 4490 |
| WaveRunner | 350M to 2G | 5G | 10G | 12M | 24M | Two or four analog/32 digital (optional) | 8250 |
| WavePro | 1 to 3G | 10G | 20G | 24M | 100M | Four analog | 19,900 |
| WaveMaster (including SDA series of serial data analyzers, which are built on the WaveMaster platform) | 1 to 11G | 10 or 20G | 20 or 40G | 50M | 100M | Four analog | 42,490 |

Notes:

All listed LeCroy scopes have 10.4-in.-diagonal, SVGA-resolution, 800×600-pixel displays.

All listed LeCroy scopes carry a three-year warranty. LeCroy urges prospective scope purchasers to check other manufacturers' warranties. Some are only one year. Out-of-warranty repairs can be expensive.

Yokogawa oscilloscopes

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|---------|------------|------|------|------------------|------------------|---------------------------------|--------|
| DL1600 | 200M | 200M | 200M | 32M (DL1640L) | 32M (DL1640L) | Two or four analog | 3995 |
| DL1700E | 500M | 500M | 1G | 4M (DL1740EL) | 8M (DL1740EL) | Two or four analog | 5995 |
| DL7400 | 500M | 1G | 2G | 8M | 16M | Four or eight analog/16 digital | 13,695 |
| DL9000 | 1 and 1.5G | 5G | 10G | 6.25M | 6.25M | Four analog | 10,995 |