

## MP408 Maxiscope sample rate testing

| Timebase   | Screen length | Max samples | Sampling interval | Effective sample rate |
|------------|---------------|-------------|-------------------|-----------------------|
| 100 ns/div | 0.001 ms      | 80          | 12.5 ns           | 80 MS/s               |
| 200 ns/div | 0.002 ms      | 160         | 12.5 ns           | 80 MS/s               |
| 500 ns/div | 0.005 ms      | 400         | 12.5 ns           | 80 MS/s               |
| 1 us/div   | 0.010 ms      | 800         | 12.5 ns           | 80 MS/s               |
| 2 us/div   | 0.020 ms      | 1,600       | 12.5 ns           | 80 MS/s               |
| 5 us/div   | 0.050 ms      | 4,000       | 12.5 ns           | 80 MS/s               |
| 10 us/div  | 0.100 ms      | 8,000       | 12.5 ns           | 80 MS/s               |
| 20 us/div  | 0.200 ms      | 16,000      | 12.5 ns           | 80 MS/s               |
| 50 us/div  | 0.500 ms      | 40,000      | 12.5 ns           | 80 MS/s               |
| 100 us/div | 1.00 ms       | 80,000      | 12.5 ns           | 80 MS/s               |
| 200 us/div | 2.00 ms       | 160,000     | 12.5 ns           | 80 MS/s               |
| 500 us/div | 5.00 ms       | 400,000     | 12.5 ns           | 80 MS/s               |
| 1 ms/div   | 10 ms         | 800,000     | 12.5 ns           | 80 MS/s               |
| 2 ms/div   | 20 ms         | 1,600,000   | 12.5 ns           | 80 MS/s               |
| 5 ms/div   | 50 ms         | 4,000,000   | 12.5 ns           | 80 MS/s               |
| 10 ms/div  | 100 ms        | 8,000,000   | 12.5 ns           | 80 MS/s               |
| 20 ms/div  | 200 ms        | 8,000,000   | 25 ns             | 40 MS/s               |
| 50 ms/div  | 500 ms        | 5,000,000   | 100 ns            | 10 MS/s               |
| 100 ms/div | 1 s           | 6,600,000   | 150 ns            | 6.6 MS/s              |
| 200 ms/div | 2 s           | 200,000     | 10 us             | 100 KS/s              |
| 500 ms/div | 5 s           | 500,000     | 10 us             | 100 KS/s              |
| 1 s/div    | 10 s          | 1,000,000   | 10 us             | 100 KS/s              |
| 2 s/div    | 20 s          | 2,000,000   | 10 us             | 100 KS/s              |
| 5 s/div    | 50 s          | 5,000,000   | 10 us             | 100 KS/s              |
| 10 s/div   | 100 s         | 5,000,000   | 20 us             | 50 KS/s               |
| 20 s/div   | 200 s         | 6,700,000   | 30 us             | 33.5 KS/s             |
| 50 s/div   | 500 s         | 8,500,000   | 58 us             | 17 KS/s               |
| 100 s/div  | 1000 s        | 8,500,000   | 117 us            | 8.5 KS/s              |