

DIGITAL MULTIMETERS

Designed to save time and reduce headaches, Tektronix and Keithley Digital Multimeters are built to do more so you don't have to. Each one is loaded with time-saving features like automated measurements, built-in analysis modes and front-panel shortcut buttons. Keithley's highly regarded high performance digital multimeters (DMMs) include 7½ or 8½-digit solutions as well as flexible broad-purpose DMMs.



	2110	DMM4020	2000, 2100	DMM6500	DMM7510	DMM4040/ 4050	2001, 2010	2002	DMM7512
Measurement Channels	1	1	1	1	1	1	1	1	2
Resolution	5½ digit	5½ digit	6½ digit	6 ½ digit	7½ digit	6½ digit	7½ digit	8½ digit	7 ½ digit
Basic Accuracy	0.012%	0.015%	0.0038% (2100) 0.0030% (2000)	0.0025%	0.0014%	0.0035% (DMM4040) 0.0024% (DMM4050)	0.0024%	0.0010%	0.0014%
Optional Switch Functions	Not Applicable	Not Applicable	10 Channel (2000)	10 channel	Future	Not Applicable	10 Channel	10 Channel	Not Applicable
Interface	USB-TMC GPIB Option	RS-232, RS-232 to USB device adapter included	GPIB, RS-232 (2000) USB-TMC (2100)	Ethernet-LXI, USB Device-TMC, USB-Host, Optional GPIB, RS-232, or TSP-LINK	GPIB, USB Device-TMC, Ethernet-LXI, USB-Host, TSP-Link	USB host, RS-232, GPIB, Ethernet, RS-232 to USB device adapter included	GPIB, RS-232 (2010) GPIB (2001)	GPIB	USB Device-TMC, Ethernet-LXI, USB-Host, TSP-Link
Software	KI-Tool and KI-Link Startup Software, LabVIEW and IVI drivers.	—	KI-Tool and KI-Link Startup Software (2100 only), LabVIEW and IVI drivers.	KickStart Instrument Control Software, LabView, IVI-COM/ IVI-C drivers, Keithley LXI Discovery Browser, Test Script Builder	KickStart Instrument Control Software, LabVIEW, IVI-COM/IVI-C, drivers, Keithley LXI Discovery Browser, Test Script Builder	—	LabVIEW Driver	LabVIEW Driver	IVI-COM/IVI-C drivers, Keithley LXI Discovery Browser, Test Script Builder

CHOOSING YOUR DIGITAL MULTIMETER

1 Resolution

Resolution refers to how fine a measurement a meter can make. By knowing the resolution of a meter, you can determine if it is possible to see a small change in your signal. The terms digits and counts are used to describe a meter's resolution. A 6.5-digit multimeter can display 6 full digits ranging from 0 to 9, and one "half" digit, which displays only a 1 or is left blank. A 6.5-digit meter will display up to 1,999,999 counts of resolution.

2 Accuracy

Accuracy is the largest allowable error that will occur under specific operating conditions. In other words, it is an indication of how close the DMM's displayed measurement is to the actual value of the signal being measured. Accuracy is usually expressed as a percent of reading. An accuracy of one percent of reading means that for a displayed reading of 100 volts, the actual value of the voltage could be anywhere between 99 volts and 101 volts.

3 Measurements

Digital multimeters are capable of making a variety of different measurements. A basic DMM typically can measure voltage, current and resistance. Other measurements commonly supported are continuity and diode measurements. Continuity is a quick go/no-go resistance test that distinguishes between an open and a closed circuit. A diode test mode measures the actual voltage drop across a junction. Other possible measurement modes are frequency, period, temperature and capacitance.

4 Extra Channel Capacity

Many of Keithley's DMMs include the capability to add a scanner accessory, enabling measurements on multiple test points or devices.



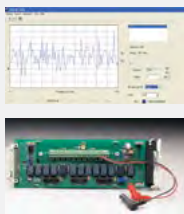
2000, 2100, 2110

2000 2100 2110

These cost-effective, high precision instruments offer 5.5- and 6.5-digit accuracy and are ideal for a wide range of manual, semi-automatic, and production test applications. They can be used as stand-alone bench-top instruments and as components in test systems.

MODEL	2000	2100	2110
Resolution	6½	6½	5½
Basic VDC Accuracy, 1 Year (% Reading + % Range)	0.0030 + 0.0005	0.0038 + 0.0006	0.012 + 0.002
Measurements	Vac, Vdc, Idc, Iac, 2WΩ, 4WΩ, Temp, Freq, Period, dB, dBm, Cont., Diode	Vac, Vdc, Idc, Iac, 2WΩ, 4WΩ, Temp, Freq, Period, Cont., Diode	Vac, Vdc, Idc, Iac, 2WΩ, 4WΩ, Temp, Freq, Period, dB, dBm, Cont., Diode, Cap., Therm.
Interface	GPIB, RS-232	USB	USB (GPIB Option)

- Exceptional 6½-digit measurement integrity with high speed throughput (2000)
- Built-in slot for scanner card (2000)
- 15 built-in measurement functions including thermocouples (2110)
- Full featured DMMs at a value price
- USB Test and Measurement Class (USBTMC) interface (2110 and 2100)
- The KI-Tool application for the 2100 provides charting and graphing capabilities without programming.
- For multi-point measurement, plug a scanner card into the 2000.



SHIPS WITH PRODUCT

- Safety Test Leads
- User Documentation
- USB Cable (2100/2110)
- KI Tool and KI Link Software (2100/2110)
- Calibration Certificate
- Power Cord
- 1-year Warranty
- 3-year Warranty (2110)

RECOMMENDED ACCESSORIES

- 2000-SCAN: 10-channel Scanner Card (2000)
- 2001-SCAN: 10-channel Scanner Card with Two High-speed Channels (2000)
- 2001-TSCAN: 9-channel Thermocouple Scanner Card (2000)
- 5808: Low cost, Single Pin, Kelvin Probes
- 5805: Kelvin Probes, 0.9 m (3 ft)
- 5805-12: Kelvin Probes, 3.6 m (12 ft)
- 5809: Low Cost, Kelvin Clip Lead Set
- 7007-1: Shielded GPIB Cable, 1 m (3.3 ft)
- 7007-2: Shielded GPIB Cable, 2 m (6.6 ft)
- KPCI-488LPA: IEEE-488 Interface/Controller for the PCI Bus
- KUSB-488B: IEEE-488 USB to GPIB Interface Adapter
- 4288-1: Single Fixed Rack Mount Kit (2000, 2100)
- 4299-3: Single Rack Mount Kit (2100 and 2110)
- 4299-4: Dual Rack Mount Kit (2100 and 2110)

LEARN MORE Download "Using the Dual Measurement Functionality and Dual Measurement Display" Application Note.



2001, 2002, 2010

2001/2002 2010

Each 2001, 2002, and 2010 digital multimeter (DMM) offers superior measurement precision, sensitivity, and traceability. They also support plug-in scanner cards that allow you to quickly and economically create multi-channel measurement systems.

MODEL	2001	2002	2010
Resolution	7½	8½	7½
Basic VDC Accuracy, 1 Year (% Reading + % Range)	0.0024 + 0.0004	0.0010 + 0.00015	0.0024 + 0.0004
Measurements	Vac, Vdc, Idc, Iac, 2WΩ, 4WΩ, Temp, Freq, Period, Crest, Peak	Vac, Vdc, Idc, Iac, 2WΩ, 4WΩ, Temp, Freq, Period, Crest, Peak	Vac, Vdc, Idc, Iac, 2WΩ, 4WΩ, Temp, Freq, Period, Cont., Diode, Therm., Dry Circ. Ω, Ratio
Interface	GPIB	GPIB	GPIB, RS-232

- Measurement functions include temperature, 4-wire resistance, peak detection, low ohms, and Keysight 3458A emulation (2002)
- Built-in slot for scanner card
- Multiple measurement display (2001 and 2002)
- Dry circuit measure function limits test voltage when testing contact or connector resistances (2010)
- Add a plug-in scanner card to turn any of these DMMs into a complete scan and measure system.
- Use the multiple display capability (2001/2002) to simultaneously display different aspects of one signal.



SHIPS WITH PRODUCT

- 8605: High Performance Modular Test Leads (2001, 2002)
- 1751: Safety Test Leads (2010)
- Calibration Data (2001, 2002)
- Calibration Certificate (2010)
- Quick Reference Guide
- User Manual, Service Manual
- Power Cord
- 1-year Warranty

RECOMMENDED ACCESSORIES

- 2000-SCAN: 10-channel Scanner Card (2000)
- 2001-SCAN: 10-channel Scanner Card with Two High-speed Channels (2000)
- 2001-TSCAN: 9-channel Thermocouple Scanner Card (2000)
- 5805: Kelvin Probes, 0.9 m (3 ft)
- 5805-12: Kelvin Probes, 3.6 m (12 ft)
- 5808: Low cost, Single Pin, Kelvin Probes
- 5809: Low Cost, Kelvin Clip Lead Set
- 7007-1: Shielded GPIB Cable, 1 m (3.3 ft)
- 7007-2: Shielded GPIB Cable, 2 m (6.6 ft)
- KPCI-488LPA: IEEE-488 Interface/Controller for the PCI Bus
- KUSB-488B: IEEE-488 USB to GPIB Interface Adapter
- 4288-1: Single Fixed Rack Mount Kit

LEARN MORE about Peak Detection with the Model 2001 DMM.



DMM7510 7½-Digit Graphical Sampling Multimeter

The DMM7510 combines all the advantages of a precision digital multimeter, a graphical touchscreen display, and a high speed, high resolution digitizer to create an industry first: a graphical sampling multimeter. The digitizer gives the DMM7510 unprecedented signal analysis flexibility; the five-inch capacitive touchscreen display makes it easy to observe, interact with, and explore measurements with “pinch and zoom” simplicity. This combination of high performance and high ease of use offers unparalleled insight into your test results.

MODEL	DMM7510
Resolution	7½
Basic VDC Accuracy, 1 Year (% Reading + % Range)	0.0014 + 0.00012
Measurements	V _{ac} , V _{dc} , I _{dc} , I _{ac} , 2WΩ, 4WΩ, Temp, Freq, Period, Cont., Diode, Ratio, Cap, Digitize V, Digitize I
Interface	GPIO, USB-TMC, LAN-LXI

- Precision multimeter with 3½- to 7½-digit resolution
- 100 mV, 1 Ω, and 10 μA ranges offer the sensitivity needed for measuring low level signals such as sleep mode current
- Capture and display waveforms such as current drain waveforms, or transients with 1 MS/sec digitizer
- Large internal memory buffer; store over 11 million readings in standard mode or 27.5 million in compact mode
- Display more with five-inch, high resolution touchscreen interface
- Extensive software available including: Test Script Builder, KickStart Instrument Control Software, and LabVIEW and IVI Drivers (available at tek.com/keithley)
- The high speed digitizing function allows capturing and displaying voltage and current waveforms.
- Advanced triggering options make it possible to capture a signal at precisely the right point.



SHIPS WITH PRODUCT

1756: Test Leads; USB-B-1 USB Cable, Type A to Type B, 1 m (3.3 ft); 174694600 TSP-Link/Ethernet Cable (1.5 m); User Documentation; DMM7510 QuickStart Guide; Calibration Certificate; Power Cord; 1-Year Warranty; Test Script Builder Software (available at www.tek.com); LabVIEW® and IVI Drivers (available at www.tek.com)

RECOMMENDED ACCESSORIES

Test Leads and Probes

1754: 2-Wire Universal 10-Piece Test Lead Kit
 1756: General Purpose Test Lead Kit
 5804: Kelvin (4-Wire) Universal 10-Piece Test Lead Kit
 5805: Kelvin (4-Wire) Spring-Loaded Probes
 5806: Kelvin Clip Lead Set
 5808: Low Cost Single-pin Kelvin Probe Set
 5809: Low Cost Kelvin Clip Lead Set
 8606: High Performance Modular Probe Kit
 8610: Low Thermal Shorting Plug
 174694600: LAN Crossover Cable (3 m)

Replacement Fuse

DMM7510-FUSE-10A: 11 A Current Fuse
 DMM7510-FUSE-3A: 3.5 A Current Fuse

Communication Interfaces & Cables

KPCI-488LPA: IEEE-488 Interface for PCI Bus
 KUSB-488B: IEEE-488 USB-to-GPIB Interface Adapter
 7007-x: Shielded GPIB Cable
 174694600: CAT5 Crossover Cable for TSP-Link / Ethernet
 USB-B-1: USB Cable, Type A to Type B, 1 m (3.3 ft)

Triggering and Control

2450-TLINK: DB-9 to Trigger Link Connector Adapter
 8501-x: Trigger Link Cable, DIN-to-DIN, 1 m or 2 m
 8503: DIN-to-BNC Trigger Cable

LEARN MORE Download “Measuring Ultra-Low Power Using the Model DMM7510 7½-Digit Graphical Sampling Multimeter” Application Note.



DMM4020

Make measurements, not compromises. Measure a variety of parameters—from volts, ohms and amps to frequency—with one instrument. Save time with front-panel shortcut keys and built-in limit testing. Performance. Reliability. Legendary ease of use. One instrument. Looks like you can have it all.

MODEL	DMM4020
Display	Dual; Numeric
Resolution	5.5
Measurements	V _{AC} , V _{DC} , I _{DC} , I _{AC} , Ω, Cont, Diode, Freq
Basic VDC Accuracy, 1 Year (% Reading + % Range)	0.015 + 0.004

- 5.5 digit resolution
- Basic V dc accuracy of up to 0.015%
- Volts, ohms, amps and frequency measurements
- Dedicated dc leakage current measurement
- CAT I 1000 V, CAT II 600 V
- Make accurate 4-wire resistance measurements with only two test leads
- With the unique dual display, you can measure two different parameters of the same signal from one test connection.



SHIPS WITH PRODUCT

One Set TL710 Test Leads
 RS-232 to USB Adapter Cable
 Statement of Calibration Practices
 User Documentation
 Power Cord
 3-year Warranty

RECOMMENDED TEST LEADS

196-3520-xx: Premium Test Leads (TL710 replacement/spare)
 TL705: 2x4 Wire Ohm 1000 V Test Lead
 TL725: 2x4 Wire Ohm SMD Test Tweezers

RECOMMENDED ACCESSORIES

ACD4000: Soft Carrying Case
 HCTEK-4321: Hard Carrying Case
 RMU2U: Rackmount Kit
 013-0369-xx: Calibration Fixture 4-terminal short

RECOMMENDED SERVICE

SILV100: 5-year Extended Warranty

ANOTHER PRODUCT FOR CONSIDERATION

If you need greater accuracy, the DMM4050 provides 6.5 digits of resolution and up to 0.0024% basic V dc accuracy.

LEARN MORE Download “Using the DMM Series to Make Simple and Accurate Resistance Measurements” Application Note.

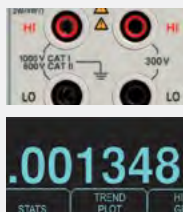


DMM4040/4050

Meet the multimeter to rule them all. Make a wide range of measurements—from volts, ohms and amps to frequency, temperature and capacitance—with one instrument. Monitor and record measurements over time, or environmental changes with built-in histogram, TrendPlot™ testing and statistics analysis modes. Get unparalleled ease of use with a dual display and USB connectivity. Hello, efficiency. Goodbye, complexity.

MODEL	DMM4040	DMM4050
Display	Dual; Numeric & Graphical	Dual; Numeric & Graphical
Resolution	6.5	6.5
Measurements	V _{AC} , V _{DC} , I _{DC} , IAC, Ω, Continuity, Diode, Freq, Period	V _{AC} , V _{DC} , I _{DC} , IAC, Ω, Continuity, Diode, Freq, Period, Temp., Capacitance
Basic VDC Accuracy (% Reading + % Range)	0.0035 + 0.0005	0.0024 + 0.0005

- 6.5 digit resolution
- Basic V DC accuracy of up to 0.0024%
- Volts, ohms, amps, frequency and period measurements
- Capacitance and temperature measurements (DMM4050)
- CAT I 1000 V, CAT II 600 V
- Make accurate 4-wire resistance measurements with only two test leads
- See how your device is changing over time with built-in analysis modes – TrendPlot™, histograms and statistics.



SHIPS WITH PRODUCT

One Set TL710 Test Leads
RS-232 to USB Adapter Cable
Calibration Certificate
User Documentation
Power Cord
3-year Warranty

RECOMMENDED ACCESSORIES

TP750: 100 Ohm RTD Temperature Probe (DMM4050 only)
196-3520-xx: Premium Test Leads (TL710 replacement/spare)
TL705: 2x4 Wire Ohm 1000 V Test Lead
TL725: 2x4 Wire Ohm SMD Test Tweezers
ACD4000: Soft Carrying Case
HCTEK-4321: Hard Carrying Case
RMU2U: Rackmount Kit
013-0369-xx: Calibration Fixture 4-terminal short

RECOMMENDED SERVICE

SILV100: 5-year Extended Warranty

ANOTHER PRODUCT FOR CONSIDERATION

The PWS DC Power Supply Series is designed to stack with the DMM Series, saving you bench space.

LEARN MORE ▶ Download the “Measurement Statistics and Histograms with the Tektronix DMM4050 and DMM4040 Multimeters” Application Note.



DMM6500 6½-Digit Bench/System Digital Multimeter

The DMM6500 is an advanced bench/system DMM that delivers more measurement functionality, superior measurement insight, and more communication and control than any other 6½-digit DMM. Use the 1 M sample/s digitizer to capture waveforms and display on the interactive 5-in (12.7cm) display. The touchscreen interface allows pinch and zoom control to quickly analyze signals and to compute statistics on data. Expand to 10 channels of measurement with the optional switch cards. Select from LAN, LXI, and USB interfaces or optional GPIB, RS-232, or TSP-Link® interfaces. Upgrade your most important measurement instrument to get more functions and wider measurement ranges for current and resistance.

MODEL	DMM6500
Resolution (Digits)	6½
Basic VDC Accuracy, 1 Year (% Reading + % Range)	0.0025 + 0.0005
Measurements	Vac, Vdc, Iac, Idc, 2WΩ, 4WΩ, Temp, Freq, Period, Cont., Diode, Ratio, Cap, Digitize V, Digitize I
Interface	Ethernet-LXI, USB Device-TMC, USB-Host, Optional GPIB, RS-232, or TSP-LINK

- Precision multimeter with 3½- to 6½-digit resolution
- Excellent measurement accuracy: 0.0025% of reading + 0.0005% of range 1-year DC Volt accuracy (10 V range)
- High sensitivity, 100 nV, 1 μΩ, and 10 pA to characterize low power circuits and devices
- 1 Msample/s, 16-bit digitizer to capture complex waveforms and transient waveforms
- 5 in (12.7 cm) touchscreen display with pinch and zoom as well as statistics for fast signal analysis
- Standard LAN/LXI and USB interfaces with optional GPIB, RS-232, or TSP-LINK interfaces for a wide range of PC communication choices
- Expand up to 10 measurement channels with the optional voltage or thermocouple scanner cards
- Numerous software options allow everything from customizing of instrument features with Test Script Builder to point-and-click programming with Kickstart Instrument Control Software to coding with LabView and IVI drivers. Downloads available at www.tek.com/keithley.

SHIPS WITH PRODUCT

1757: Standard Test Lead Kit; USB-B-1: USB Cable Type A to Type B, 1 m (3.3 ft); Calibration Certificate; User documentation (available at www.tek.com): DMM6500-903-01: Quick Start Guide; DMM6500 900-01: User Manual; DMM6500-901-01: Reference Manual; Test Script Builder Software (available at www.tek.com); LabView® and IVI Drivers (available at www.tek.com); Power Cord; 3-Year Warranty

RECOMMENDED ACCESSORIES

Test Leads and Probes: 1754: 2-Wire Universal 10-Piece Test Lead Kit; 1756: General Purpose Test Lead Kit; 5804: Kelvin (4-Wire) Universal 10-Piece Test Lead Kit; 5805: Kelvin (4-Wire) Spring-Loaded Probes; 5806: Kelvin Clip Lead Set; 5808: Low Cost Single-pin Kelvin Probe Set; 5809: Low Cost Kelvin Clip Lead Set; 8606: High Performance Modular Probe Kit; 8610: Low Thermal Shorting Plug

Communication Interfaces & Cables: KPCI-488LPA: IEEE-488 Interface for PCI Bus; KUSB-488B: IEEE-488 USB-to-GPIB Interface Adapter; 7007-x: Shielded GPIB Cable; 174694600: CAT5 Crossover Cable for TSP-Link or Ethernet 1.5 m (5 ft); USB-B-1: USB Cable, Type A to Type B, 1 m (3.3 ft)

SWITCH CARDS

2000-SCAN: 10 channel, 2-pole or 5-channel, 4-pole multiplexer; 2001-TCSCAN: 9 channel, 2-pole or 4-channel, 4-pole multiplexer with CJC sensor

OPTIONAL INTERFACE MODULES

KTTI-GPIB: GPIB interface with 6 digital I/O ports; KTTI-RS232: RS-232 interface with 6 digital I/O ports; KTTI-TSP: TSP-Link® Expansion interface with 6 digital I/O ports

LEARN MORE ▶ Download the Application Note on digitizing with DMM6500.



DMM7512 Dual Channel 7½-Digit Sampling Multimeter

The DMM7512 Dual Channel 7½-digit Sampling Multimeter combines two full-function, high accuracy and high sampling speed DMMs into a compact 1U high, full rack wide form factor chassis. The compact chassis saves rack space in high-instrument density, test systems. The small size does not compromise measurement performance. Each DMM has identical functionality, and both are entirely independent of each other.

MODEL	DMM7512
Number of Measurement Channels	2
Resolution and best DCV Accuracy ±(% of reading + % of accuracy)	7 ½ digits 0.0014 + 0.00012
Digitizer	Up to 1Msample/s, 18-bit
Measurements	Vdc, Idc, 2WΩ, 4WΩ, Digitize V, Digitize I, Temp, Ratio, Diode Test
Interface	USB-TMC, LAN-LXI, TSP-Link

- Two high-precision, 3 ½ - 7 ½-digit DMMs in a 1U high, full rack width chassis
- Capture waveforms or identify transients with two 1 Msample/s 18-bit digitizers
- Trigger a waveform measurement on a signal level, a rising or falling edge, a window, or a digital trigger
- Store up to 27.5M timestamped readings on a waveform
- Basic one-year DC Voltage accuracy as low as 14 ppm
- 10 nV, 0.1 μΩ, and 1 pA sensitivities for making high resolution low level measurements such as measurements of portable device sleep currents
- High accuracy, low resistance measurements with offset compensated ohms, four-wire measurement, and dry circuit functions
- Reduce test time by executing test scripts with the Embedded Test Script Processor, which saves PC command communication overhead
- Tight synchronization between the two DMMs using TSP-Link® communication

SHIPS WITH PRODUCT

012178100: Test Lead Kit, Quantity 4; CA-18-16A: LAN Crossover Cable, 40 cm (16 in), quantity 2; 174710700: Shielded Crossover Cable with RJ-45 Connector, 1.5 m (5 ft), quantity 1; CA-568-120A: Green and Yellow Ground Cable, 3.0 m (120 in), quantity 1; 4299-13: 1U High Fixed Rack Mount Kit, quantity 1; 0713411: Safety Precautions Document; 071357600: DMM7512 7½-Digit Multimeter Instrument Information;

Instruction Manuals/Documentation (available at www.tek.com/DMM7512): DMM7510 7.5 Digit Graphical Sampling Multimeter Reference Manual, DMM7510 7.5 Digit Graphical Sampling Multimeter User's Manual; Software and Drivers (available at tek.com): IVI/VISA Drivers for Microsoft® Visual Basic®, Visual C/C++®, Keithley Test Script Builder available at tek.com/keithley-test-script-builder

RECOMMENDED ACCESSORIES

Test Leads and Probes: 1751: Safety Test Leads; 1754: 2-Wire Universal 10-Piece Test Lead Kit; 1756: General Purpose Test Lead Kit; 5804: Kelvin (4-Wire) Universal 10-Piece Test Lead Kit; 5805: Kelvin (4-Wire) Spring-Loaded Probes; 5806: Kelvin Clip Lead Set; 5808: Low Cost Single-pin Kelvin Probe Set; 5809: Low Cost Kelvin Clip Lead Set; 8606: High Performance Modular Probe Kit; 8610: Low Thermal Shorting Plug

Replacement Fuses: FU-106-3.15: Line Power Fuse, 250 V, 3.15 A, Slow Blow 5 × 20 mm; DMM7510-FUSE-3A: 3.5 A Current Fuse

Cables: CA-18-1: Shielded Dual Banana Cable, 1.2 m (4 ft.); CA-180-3A: CAT5 Crossover Cable for TSP-Link / Ethernet; USB-B-1: USB Cable, Type A to Type B, 1 m (3.3 ft)

LEARN MORE 📄 Download the "Laser Diode Array Test for 3D Sensing" Application Note.

ALLICE

Messtechnik GmbH

make ALLICE your partner

ALLICE MESSTECHNIK GMBH

KELSTEBACHER STRASSE 15-19 60528 FRANKFURT AM MAIN

TEL.: +49(0)69-67724-583 FAX: +49(0)69-67724-582

INFO@ALLICE.DE

www.allice.de

© 2019 ALLICE MESSTECHNIK GMBH - ALLE RECHTE VORBEHALTEN.

© 2019 ALLICE MESSTECHNIK GMBH - ALL RIGHTS RESERVED

VERWENDETE WARENZEICHEN UND SCHUTZRECHTE SIND EIGENTUM DER JEWEILIGEN HERSTELLER.

LOGOS AND COMPANY NAMES LISTED ARE TRADEMARKS OR TRADE NAMES OF THEIR RESPECTIVE OWNERS.