

Models MTX3281B-COMCM, MTX3282B-COMCM & MTX3283B-COMCM

Offers a resolution of 100,000 counts, 0.02% basic accuracy, 200kHz bandwidth and Bluetooth* communication technology



Model MTX3283B-COMCM

► SPECIFICATIONS

MODELS	MTX3281B-COMCM	MTX3282B-COMCM	MTX3283B-COMCM
ELECTRICAL			
Display	Multidirectional graphic LCD (58 x 58mm) Adjustable contrast - LED backlighting, Graphic resolution 160 x 160 100,000-count digital display, main display + bargraph + (graphic or selection of 3 secondary displays)		
Measurement Connections	3 measurement terminals (V, A, COM) Automatic detection and selection of VAC+DC or IAC+DC		
Controls	Virtual measurement selector with 8 "one-handed" direct access keys – "Favorite function" key		
Languages	(English, French) – Configuration menu & browser online help		
DC, AC and AC+DC Voltages	5 Automatic or Manual Ranges from 100.000mV to 1000.00V		
DC Basic Accuracy	0.1% of Reading + 8cts		
AC and AC+DC Basic Accuracy	0.7% of Reading + 40cts	0.3% of Reading + 40cts	0.3% of Reading + 40cts
Specified Bandwidth	DC at 50kHz	DC at 100kHz	DC at 200kHz
DC, AC and AC+DC Currents	6 Automatic or Manual Ranges from 1000.00µA to 20.000A (max. 30s)		
DC Basic Accuracy	0.08% of Reading + 8cts	0.08% of Reading + 8cts	0.08% of Reading + 8cts
AC and AC+DC Basic Accuracy	1.0% of Reading + 30cts	0.3% of Reading + 30cts	0.3% of Reading + 30cts
Specified Bandwidth	DC at 20kHz	DC at 50kHz	DC at 50kHz
Frequency & Period	7 Automatic or Manual Ranges from 10.0000Hz to 2.0000MHz Basic Accuracy 0.02% of Reading + 8cts		
Duty Cycle	Rated range 5 to 95% - Resolution 0.01%		
Positive and Negative Pulses	Counting of up to 99.999 pulses, measurement of duration from 100µs to 12.5s		
Elapsed Time	Graph of events with zoom and measurement cursors: Relative mode (1) or Date/Time		
Resistance & Continuity	6 Automatic or Manual Ranges from 1000.00Ω to 50.000MΩ		
Basic Accuracy	0.1% of Reading + 8cts	0.07% of Reading + 8cts	0.07% of Reading + 8cts
Audible Continuity Detection	Range 1000.00Ω - response time 5ms		
Diode Test	0 to 2.6000V – Accuracy 2% of Reading + 30cts Measurement current approx. 1mA		
Capacitance	Automatic or manual ranges from 10.00nF to 10.00mF 1% of Reading + 5cts / Measurement time < 2s (for C < 100µF)		
V Peak > 250µs and Crest Factor	Valid for one-off or periodic phenomena		
Measurement in dBm	Resolution 0.01dBm - Adjustable reference from 1 to 10,000Ω		
Resistive Power U²/R or R x I²	Resolution 100µW - Adjustable reference from 1 to 10,000Ω		
GENERAL			
Communication (model dependent)	USB adapter – Bluetooth wireless link Bluetooth connection (communicates up to 30 ft)		
EMC/Safety	Emissions and immunity as per NF EN 61326-1, 1998/IEC 61010, 2001 – 600V CAT IV or 1000V CAT III		
Power Supply/Battery Life	3 LR6 batteries or AA NiMH rechargeable batteries / approx. 80h (LR6 batteries) or 65h (NiMH rechargeable batteries) depending on use		
Power Supply	Multi-voltage switching power supply, 100-240V ± 10%, 50-60Hz, 0.3A Full charge time 7hrs 30min (2600mAh rechargeable batteries)		
Casing	ABS V0 – Dimensions when closed: 1.73 x 3.35 x 7.09" (44 x 85 x 180mm)/Weight: 400g (88lbs)/Protection rating IP51		

*Model dependent



► FEATURES

- TRMS voltage and current (AC)
- Large graphic LCD display, bilingual menus (English/French)
- LED backlighting for easier reading in dark areas and lower power consumption
- Four 100,000-count digital displays, bargraph and graphic measurement log
- Basic accuracy 0.02%, specified bandwidth 200kHz
- 8-key "virtual" measurement selector with "one-handed" direct access
- Frequency measurements up to 2MHz, durations, duty cycle, counting of events
- Temperature measurements with Pt 100 or Pt 1000 probes and J or K thermocouples
- Storage of 6500 measurements with date and time (up to 4 simultaneous parameters)
- USB or Bluetooth communication (model dependent)

CATALOG NO. DESCRIPTION

2125.74	DMM Model MTX3281B-COMCM (TRMS, 100,000-count, Graphical, Communication, BW 50kHz, UL & CUL)
2125.75	DMM Model MTX3282B-COMCM (TRMS, 100,000-count, Graphical, Communication, Auto, Auto Peak, BW 100kHz, UL & CUL)
2125.76	DMM Model MTX3283B-COMCM (TRMS, 100,000-count, Graphical, Communication, Auto, Auto Peak, Rel, BW 200kHz, UL & CUL)
2125.79	DMM Model MTX3283B-BTCOMCM (TRMS, 100,000-count, Bluetooth, Graphical, Communication, Auto, Auto Peak, Rel, BW 200kHz, UL & CUL)

