

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

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



(upon registering)

Model MTX3283B-COMCM

#### ► SPECIFICATIONS

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