DRANETZ BMI

Safety and Accuracy - The Perfect Combo

Pro Xtra PL10 Ultra PMIT Outdoor ISO

The Dranetz-BMI series of DranTech digital meters and data loggers come with the patented automatic blocking safety (ABS) connector jacks* and IP 52 to even IP-65 water resistant protection* to prevent accidentally damaging the meter or injuring yourself while making 600V CAT IV and 1000V CAT III voltage* and current measurements. Safety plus exemplary technology with the highest resolution of handheld multimeters on the market, 60,000 counts* or more (1,200,000), auto-ranging current measurements from 10nA to 10A*, extra large display characters with analog bar graphs on a large light-blue illuminated display of the 23 or more functions.

These are the perfect tools for measuring power systems for balancing loads, energy efficiency measurement, electronic circuit analysis, insulation resistance testing, electrical system verification, and equipment tests, even with highly distorted signals such as adjustable speed drives. The high performance, precision measuring instruments are found in electrical contractors tool boxes, R&D labs, industrial applications, universities, hospitals, government authorities, testing stations, manufacturing and Quality Assurance departments

With the help of DranWIN software, momentary or stored measurement data acquired with DranTech multimeters can be read out, visualized, analyzed, stored and documented, and the measuring functions and ranges which are available for the position to which the function selector switch is currently set can be remotely controlled.

* Refer to specification sheet on reverse side which ratings are appropriate for each model

- **PRO/XTRA** CAT III 1000V, CAT IV 600V DMMs with standard measurements (TRMS AC/DC for V and I, ohms, freq, diode, temperature, min/max, capacitance)
- **Drantech ISO** Insulation tester (range 5k ohms-3.1G ohms) as well as TRMS multimeter and data logger.
- **PL10** Voltage disturbance recorder, data logger and power meter.
- **ULTRA** High precision multimeter (0.004% and 1.2M counts) and milli-ohm measurements, plus data logger.
- **OUTDOOR** All of the standard DMM measurements when you need to operate in environment needing IP-65 (NEMA 4) water & dust resistance
- **PMIT** All-in-One Milliohm Resistance Meter, DMM, Data Logger, and Insulation Resistance Tester (outer skins-wick test, lightning protection)

Features	PRO	XTRA	PL10	ULTRA	OUTDOOR	PMIT	ISO
Basic dc volts accuracy %	0.05	0.05	0.025	0.004	0.05	0.25	0.15
Bandwidth	50kHz	100kHz	100kHz	100kHz	100kHz	1kHz	10kHz
Maximum Display Counts* (+/-)	60,000	60,000	310,000	1,200k	12,000	31,000	31,000
True RMS Volts ac/dc	1000V	1000V	600V	600V	1000V	600V	1000V
True RMS Current ac/dc*	10A (16A)	10A (16A)	10A (16A)	100mA	10A (16A)	---	10A (16A)
CAT II/III 600V *	---	---	CAT III	CAT III	---	CAT II	CAT III
CAT II/III 1000V *	CAT III	CAT III	---	---	CAT III	---	CAT II
CAT IV 600V *	CAT IV	CAT IV	---	---	CAT IV	---	---
Ohms / Audible Continuity	Yes	Yes	Yes	Yes	Yes	Yes	Yes
dBs	---	Yes	Yes	---	---	---	---
Frequency	100kHz	1MHz	300kHz	100kHz	100kHz	3kHz	300kHz
Precision MilliOhm and Kelvin Connection, 4-wire measurement	---	---	---	Yes	---	Yes	---
Capacitance / Diode Test	Yes	Yes	Yes	---	Yes	diode	Yes
Temperature	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Offset Rel/Ref / Min/Max/Hold	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Auto/Manual Ranging	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Analog Bar Graph	Yes	Yes	---	---	Yes	Yes	Yes
Triple Display	---	---	Yes	Yes	---	---	---
Backlight	Yes	Yes	---	---	Yes	Yes	Yes
Insulation Test @ 50/100/250/500	---	---	---	---	---	Yes	Yes+1kV
Power and Energy Measurements	---	---	Yes	---	---	---	---
Voltage Disturbance Recording	---	---	Yes	---	---	---	---
Memory for Datalogging	---	540kB	128kB	128kB	540kB	32kB	540kB
IR-Interface for USB Data Xfer	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Low Pass filter 1KHz	Yes	Yes	---	---	Yes	Yes	Yes
AC Power Supply Adapter	---	Yes	Yes	Yes	Yes	Yes	Yes
Housing Protection	IP52	IP52	IP50	IP50	IP65	IP65	IP54
Change Fuse & Bat w/o opening	Yes	Yes	---	---	Yes	Yes	Yes
ABS Patented Connections*	Yes	Yes	Yes	---	Yes	---	Yes

Specifications are subject to change without notice. Refer to specific product's User Guides for detailed specifications.

DRANETZ BMI

www.dranetz-bmi.com

CE   SP   D/E GS

CAT IV   DKD Calibration Certificate