



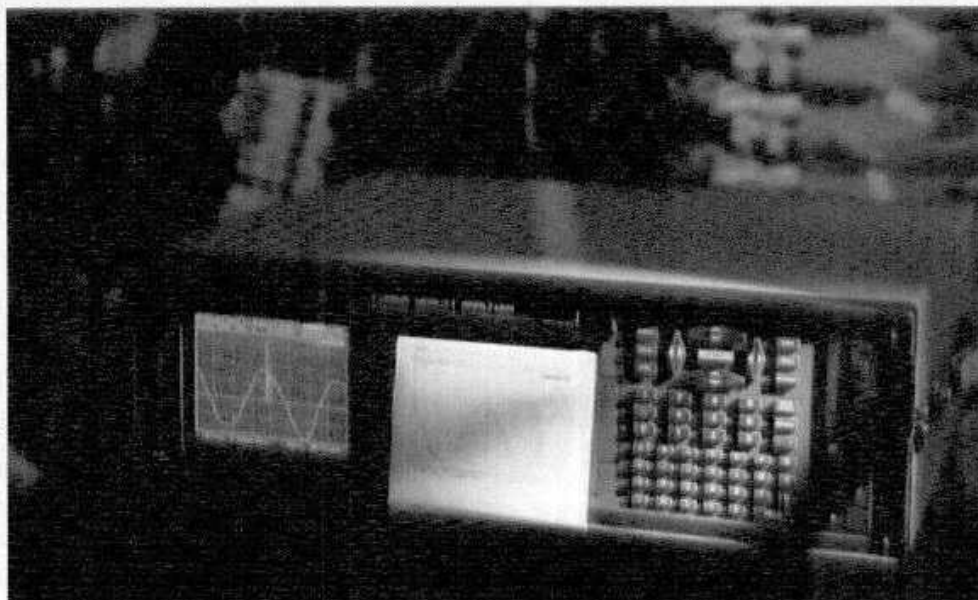
Advanced Test Equipment Rentals

www.atecorp.com 800-404-ATEC (2832)

Dranetz-BMI 658 Specifications

The Dranetz-BMI 658 is a sophisticated instrument, with a wide range of capabilities and channels.

The basic specifications are presented below; however, for detailed, up-to-date specifications, please contact the factory or your local sales representative



658 Specifications

Parameter	Specifications
Voltage and current measurements	4 fully differential channels One AC/DC voltage channel and 3 voltage/current channels 0-600Vrms; 0-3000A, depending on current probe selected Accuracy: $\pm 1\%$ reading $\pm 0.2\%$ full scale
Impulse measurements	2.4 to 6144 Vpeak 2.4 to 6000 Amps pk 1 microsecond minimum duration
Sampling rate	7.2kHz/channel for RMS 1.85MHz/channel for impulse
Frequency	Fundamental range 45 - 65 Hz Optional Model 658-400 45-65Hz or 310-445 Hz
Optional inputs	8 independent differential channels Configurable as voltage or current 0-10Vdc, 0-20mA DC Sampled at 12.5 Hz
Environment	41°F to 104°F +5°C to +40°C Humidity 10% - 90% non-condensing
Battery	Standard 5 minutes operation typical
PC Software package	DranView
Certifications	  FCC ISO9001 (CE certification for model 658E, UL listing for model 658)
Latest released version	658 FEP V3.1 658 CPU V4.23 658 Front Panel INTFC V1.1

Factoid: The 658 is chosen by more Power Quality Consultants than any other instrument.



Dranetz-BMI 658 - Typical Applications

The 658's transient capture make it ideal for transformer testing.

Field service of sensitive equipment as well as harmonics surveys are quick and easy with the Dranetz-BMI 658.

At critical sites, the 658 tracks and records every potentially disrupting disturbance. You can quickly identify and solve intermittent power problems.



(800) 372-6832 or +1-732-287-3680
FAX +1-732-248-1834 FAX

System Configuration Guide

① Standard Unit Includes:

- 4 Input Channels
- Flat-Panel Display Screen
- 512K RAM Event Memory
- 3.5" Disk Drive
- Real-Time Scope Mode®
- Zoom Magnification
- Internal Graphic Printer
- Harmonic Analysis
- Internal UPS (5 minutes)
- RS-232 Serial Ports
- Input Cable Set with Pallet
- User Guide

② Options:

656-PA-1001 8 - Chan. Transducer Module

- Allows 658 to accept up to 8 inputs from external transducers
- 0-10 vdc or 4-20 mADC
- Used for gathering trend data on temperature, humidity or other parameters

656-XD1001* Temp. & Humidity Monitor

656-XD1002* Conducted RF Monitor

656-XD1003* Radiated RF Monitor

* All monitors require 656-PA-1001 shown above. 90 ft. extension cable available.

658-2400M Internal Modem

③ Accessories:

Current Transformers

- **TR-2021** (0.2 to 30 A)
- **TR-2019B** (1 to 300 A)
- **TR-2022** (10 to 1000 A)
- **TR-2023** (10 to 3000 A)
- **ISO-65X-5** (Isolated CT Box 0-5A)

PC Software

- **DRAN-VIEW®** Reads data from 658 data disk for analysis. Windows 3.1, 95, 98, NT compatible.
- **DRAN-VIEW® PRO** Includes enhanced DRAN-VIEW, *Report Writer* and DRAN-LINK PP1/658.
- **DRAN-VIEW® Report Writer** Report Generation software program.
- **DRAN-LINK® PP1/658** Communications Software provides PC link via RS-232 or modem.

Other

- **115038-G1** (Soft Carrying Case)
- **115039-G1** (Shipping Container)
- **115022-G1** (Vertical Mounting Feet)
- **658-R1** (Rack Mount)
- **110888C** (Thermal Paper)
- **113804-G1** (90' Extension Cable)
- **115552-G1** (Adapter for PP1 CT's)
- **HB114414-S** (PQ Field Handbook)
- **HB114415** (EM Field Handbook)

Operational/Technical Training

- Call for course description and schedule

System Pricing

① Standard Unit

658 Standard Unit 50/60 Hz	\$ 16,275	_____
658-400 Unit 50/60/400Hz	17,115	_____

② Options

656-PA-1001 (8-Channel Transducer)	\$ 2,160	_____
656-XD-1001 (Temp. & Hum. Monitor)*	1,115	_____
656-XD-1002 (Conducted RF Monitor)*	500	_____
656-XD-1003 (Radiated RF Monitor)*	1,510	_____
658-2400M (Internal Modem)	1,150	_____
*Requires 656-PA-1001		

③ Accessories

Cables and Probes (There are 3 Current Channels)

TR-2021 (0.2 to 30 A)	\$ 395 ea x _____ =	_____
TR-2019B (1 to 300 A)	950 ea x _____ =	_____
TR-2022 (10 to 1000 A)	650 ea x _____ =	_____
TR-2023 (10 TO 3000 A)	1,390 ea x _____ =	_____

ISO Boxes

(Required with Non Dranetz-BMI CT
with 5A Secondaries)

ISO-65X-5	\$ 200 ea x _____ =	_____
(Isolated CT Box 1 A, Replaces 110635-G2)		

PC Software

DRAN-VIEW® w/658 Driver	\$ 595	_____
DRAN-VIEW® PRO	1,195	_____
DRAN-VIEW® Report Writer	495	_____
DRAN-LINK® PP1/658	295	_____

Other

115038-G1 (Soft Carrying Case)	\$ 365	_____
115039-G1 (Shipping Container)	500	_____
115022-G1 (Vertical Mounting Feet)	240	_____
658-R1 (Rack Mount)	210	_____
110888C (Thermal Paper)	185	_____
113804-G1 (90' Extension Cable)	240	_____
115552-G1 (Adapter for CT's)	65	_____
HB114414-S (PQ Field Handbook)	50	_____
HB114415 (EM Field Handbook)	25	_____
A-010S (Handbook of Power Signatures)	40	_____
Handbookset All Three Publications	99	_____

Extended Warranty

Additional One Year Warranty	\$1,550	_____
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TOTAL \$ _____

Prices Subject to Change Without Notice