

# HDPQ **Guide** Power Quality Packages



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# Dranetz HDPQ Family - Features Guide

|                | Feature                                              | HDPQ Visa | HDPQ Guide | HDPQ Xplorer     |
|----------------|------------------------------------------------------|-----------|------------|------------------|
| Communications | Ethernet                                             | ●         | ●          | ●                |
|                | Wi-Fi                                                |           | ●          | ●                |
|                | Bluetooth                                            | Optional  | ●          | ●                |
|                | USB                                                  | ●         | ●          | ●                |
|                | VNC for Full Remote Control of the Instrument        | ●         | ●          | ●                |
|                | Apple & Android Apps for Metering & Alarming         | ●         | ●          | ●                |
|                | GPS Time Synch (See Note below)                      | ●         | ●          | ●                |
| Measurements   | (4) Differential, AC/DC Voltage Channels, 0-1000V    | ●         | ●          | ●                |
|                | (4) Differential, AC/DC Current Channels, FLEX Power | ●         | ●          | ●                |
|                | 1000V Cat III, 600V CAT IV                           | ●         | ●          | ●                |
|                | IEC 61000-4-30:2008 Class A with Certificate         | ●         | ●          | ●                |
|                | 512 Samples/Cycle/Channel on V & I                   | ●         | ●          | ●                |
|                | Sag/Dip, Swell                                       | ●         | ●          | ●                |
|                | Transients to 32us/40us (60Hz/50Hz)                  | ●         | ●          | ●                |
|                | Transients to 1us                                    |           |            | ●                |
|                | Demand & Energy                                      | ●         | ●          | ●                |
|                | IEEE 1159 Advanced Energy                            |           | ●          | ●                |
|                | Harmonics V/I                                        | 127/63    | 127/63     | 127/63           |
|                | EN 50160 Edition 3                                   | ●         | ●          | ●                |
|                | 400Hz monitoring                                     |           |            | HDPQ Xplorer-400 |
|                | Motor Health                                         | ●         | ●          | ●                |
|                | Sag Directivity                                      |           | ●          | ●                |
| Answer Modules | Power Factor Correction Capacitor                    |           | ●          | ●                |
|                | Automatic Setups for PQ, Demand & Energy             | ●         | ●          | ●                |
|                | Manual Setup Wizard                                  | ●         | ●          | ●                |
|                | Monitoring Modes                                     | 7         | 9          | 9                |
|                | Max Pre/Post Trigger Cycles                          | 100       | 10,000     | 10,000           |
| Safety         | # Transient Triggers                                 | 3         | 3          | 4                |
|                | UL                                                   | ●         | ●          | ●                |
|                | CE                                                   | ●         | ●          | ●                |

**Note:** GPS Time Synch requires optional GPS receiver and antenna.



# HDPQ-Guide



## HDPQ Guide

**The Best Combination of Value & Technology in a PQ Analyzer**

**Safe, Powerful & Intelligent**

Power Quality instruments are no different than anything else – you get what you pay for – you just get much more from the **Dranetz HDPQ® Guide** than with any other instrument in its class!



## AC Adapter 118317-G1

AC Adapter: 100-240Vac 50/60Hz, includes: US, EURO, UK, AUSTRALIA and CHINA plug adapters.



## 118313-G1 Keyhole Mounting Kit

Keyhole mounting kit for HDPQ.



## USB-MCABLE

USB male A to USB Micro B, 6 foot cable.



## USB-BLUETOOTH

USB Bluetooth 2.1 adapter, class I.



## Voltage Cable Set 118375-G1

Includes: 8 - Six ft. (183cm) measurement cables: 4 Black, 4 White; 4 - Black alligator clips; 4 - White alligator clips; 4 - Black 25 cm stackable jumpers. Compatible with portable and permanent systems with 4mm voltage connectors.



# HDPQ Guide Power Quality Package

## HDPQ-GA10PKG



### HDPQ Guide

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#### AC Adapter 118317-G1

AC Adapter: 100-240Vac 50/60Hz, includes: US, EURO, UK, AUSTRALIA and CHINA plug adapters.

#### USB-MCABLE

USB male A to USB Micro B, 6 foot cable.

#### USB-BLUETOOTH

USB Bluetooth 2.1 adapter, class I.

#### 118313-G1 Keyhole Mounting Kit

Keyhole mounting kit for HDPQ.

#### Voltage Cable Set 118375-G1

Includes: 8 - Six ft. (183cm) measurement cables: 4 Black, 4 White; 4 - Black alligator clips; 4 - White alligator clips; 4 - Black 25 cm stackable jumpers. Compatible with portable and permanent systems with 4mm voltage connectors.

#### 4 - TR-2510B 1A to 10Arms CT

1.5V output, Dranetz Hypertronics connector, 3 meter cable, 15mm dia. maximum conductor size.

#### SCC-HDPQ Soft Carry Case

Individual storage compartments for the instrument, CT's, voltage cables and more. Dimensions: 12" L x 18" W x 9" D (30.5cm L x 45.7cm W x 22.9cm D)

#### Dran-View® 7 DV7E-PX

Dran-View is a Windows based software package that enables power professionals to simply and quickly visualize and analyze power and energy monitoring data. It is a snap to navigate, delivers automated functionality and incorporates powerful analytical capabilities and customizable options to meet the needs of every user. Dran-View is successfully used by thousands of customers around the world, and has become the industry leading power management software tool.



# HDPQ Guide Power Quality Package

## HDPQ-GA500PKG



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#### AC Adapter 118317-G1

AC Adapter: 100-240Vac 50/60Hz, includes: US, EURO, UK, AUSTRALIA and CHINA plug adapters.

#### USB-MCABLE

USB male A to USB Micro B, 6 foot cable.

#### USB-BLUETOOTH

USB Bluetooth 2.1 adapter, class I.

#### 118313-G1 Keyhole Mounting Kit

Keyhole mounting kit for HDPQ.

#### Voltage Cable Set 118375-G1

Includes: 8 - Six ft. (183cm) measurement cables: 4 Black, 4 White; 4 - Black alligator clips; 4 - White alligator clips; 4 - Black 25 cm stackable jumpers. Compatible with portable and permanent systems with 4mm voltage connectors.

#### 4 - TR-2500B 10A to 500Arms CT

1.5V output, Dranetz Hypertronics connector, 3 meter cable, 50mm dia. maximum conductor size.

#### SCC-HDPQ Soft Carry Case

Individual storage compartments for the instrument, CT's, voltage cables and more. Dimensions: 12" L x 18" W x 9" D (30.5cm L x 45.7cm W x 22.9cm D)

#### Dran-View® 7 DV7E-PX

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# HDPQ Guide Power Quality Package

## HDPQ-GA550PKG



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### AC Adapter 118317-G1

AC Adapter: 100-240Vac 50/60Hz, includes: US, EURO, UK, AUSTRALIA and CHINA plug adapters.

### USB-MCABLE

USB male A to USB Micro B, 6 foot cable.

### USB-BLUETOOTH

USB Bluetooth 2.1 adapter, class I.

### 118313-G1 Keyhole Mounting Kit

Keyhole mounting kit for HDPQ.

### Voltage Cable Set 118375-G1

Includes: 8 - Six ft. (183cm) measurement cables: 4 Black, 4 White; 4 - Black alligator clips; 4 - White alligator clips; 4 - Black 25 cm stackable jumpers. Compatible with portable and permanent systems with 4mm voltage connectors.

### 4 - TR-2550B 1A to 100Arms CT

1.5V output, Dranetz Hypertronics connector, 3 meter cable, 15mm dia. maximum conductor size.

### SCC-HDPQ Soft Carry Case

Individual storage compartments for the instrument, CT's, voltage cables and more. Dimensions: 12" L x 18" W x 9" D (30.5cm L x 45.7cm W x 22.9cm D)

### Dran-View® 7 DV7E-PX

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# HDPQ Guide Power Quality Package

## HDPQ-GAFLEX3KPKG



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#### AC Adapter 118317-G1

AC Adapter: 100-240Vac 50/60Hz, includes: US, EURO, UK, AUSTRALIA and CHINA plug adapters.

#### USB-MCABLE

USB male A to USB Micro B, 6 foot cable.

#### USB-BLUETOOTH

USB Bluetooth 2.1 adapter, class I.

#### 118313-G1 Keyhole Mounting Kit

Keyhole mounting kit for HDPQ.

#### Voltage Cable Set 118375-G1

Includes: 8 - Six ft. (183cm) measurement cables: 4 Black, 4 White; 4 - Black alligator clips; 4 - White alligator clips; 4 - Black 25 cm stackable jumpers. Compatible with portable and permanent systems with 4mm voltage connectors.

#### 1- DRANFLEX3003XLB24 Three phase flex probe 30/300/3000Amp

3A to 3000Amp (3 ranges), 1.5V output, Dranetz Hypertronics connector, 8" dia. maximum conductor size, 1000V Max rated.

#### 1- DRANFLEX3000XLB24 Single phase flex probe 30/300/3000Amp

3A to 3000Amp (3 ranges), 1.5V output, Dranetz Hypertronics connector, 8" dia. maximum conductor size, 1000V Max rated.

#### SCC-HDPQ Soft Carry Case

Individual storage compartments for the instrument, CT's, voltage cables and more. Dimensions: 12" L x 18" W x 9" D (30.5cm L x 45.7cm W x 22.9cm D)

#### Dran-View® 7 DV7E-PX

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# HDPQ Guide Power Quality Package

## HDPQ-GAFLEX6KPKG



### HDPQ Guide

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#### AC Adapter 118317-G1

AC Adapter: 100-240Vac 50/60Hz, includes: US, EURO, UK, AUSTRALIA and CHINA plug adapters.

#### USB-MCABLE

USB male A to USB Micro B, 6 foot cable.

#### USB-BLUETOOTH

USB Bluetooth 2.1 adapter, class I.

#### 118313-G1 Keyhole Mounting Kit

Keyhole mounting kit for HDPQ.

#### Voltage Cable Set 118375-G1

Includes: 8 - Six ft. (183cm) measurement cables: 4 Black, 4 White; 4 - Black alligator clips; 4 - White alligator clips; 4 - Black 25 cm stackable jumpers. Compatible with portable and permanent systems with 4mm voltage connectors.

#### 1- DRANFLEX6003XLB24 Three phase flex probe 60/600/6000Amp

6A to 6000Amp (3 ranges), 1.5V output, Dranetz Hypertronics connector, 8" dia. maximum conductor size, 1000V Max rated.

#### 1- DRANFLEX6000XLB24 Single phase flex probe 60/600/6000Amp

6A to 6000Amp (3 ranges), 1.5V output, Dranetz Hypertronics connector, 8" dia. maximum conductor size, 1000V Max rated.

#### SCC-HDPQ Soft Carry Case

Individual storage compartments for the instrument, CT's, voltage cables and more. Dimensions: 12" L x 18" W x 9" D (30.5cm L x 45.7cm W x 22.9cm D)

#### Dran-View® 7 DV7E-PX

Dran-View is a Windows based software package that enables power professionals to simply and quickly visualize and analyze power and energy monitoring data. It is a snap to navigate, delivers automated functionality and incorporates powerful analytical capabilities and customizable options to meet the needs of every user. Dran-View is successfully used by thousands of customers around the world, and has become the industry leading power management software tool.

# HDPQ Guide Power Quality Package

## HDPQ-GAMFLEX3PKG



### HDPQ Guide

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### AC Adapter 118317-G1

AC Adapter: 100-240Vac 50/60Hz, includes: US, EURO, UK, AUSTRALIA and CHINA plug adapters.

### USB-MCABLE

USB male A to USB Micro B, 6 foot cable.

### USB-BLUETOOTH

USB Bluetooth 2.1 adapter, class I.

### 118313-G1 Keyhole Mounting Kit

Keyhole mounting kit for HDPQ.

### Voltage Cable Set 118375-G1

Includes: 8 - Six ft. (183cm) measurement cables: 4 Black, 4 White; 4 - Black alligator clips; 4 - White alligator clips; 4 - Black 25 cm stackable jumpers. Compatible with portable and permanent systems with 4mm voltage connectors.

### 4 – DRANFLEX300MHB6 Single phase flex probe 3/30/300Amp

3A to 300Amp (3 ranges), 1.5V output, Dranetz Hypertronics connector, 2" dia. maximum conductor size, 1000V Max rated.

### SCC-HDPQ Soft Carry Case

Individual storage compartments for the instrument, CT's, voltage cables and more. Dimensions: 12" L x 18" W x 9" D (30.5cm L x 45.7cm W x 22.9cm D)

### Dran-View® 7 DV7E-PX

Dran-View is a Windows based software package that enables power professionals to simply and quickly visualize and analyze power and energy monitoring data. It is a snap to navigate, delivers automated functionality and incorporates powerful analytical capabilities and customizable options to meet the needs of every user. Dran-View is successfully used by thousands of customers around the world, and has become the industry leading power management software tool.



## HDPQ Probe Packages



### MFLEX6PKG-HD

#### 4 – DRANFLEX300MHB6 Single phase flex probe 3/30/300Amp

3A to 300Amp (3 ranges), 1.5V output, Dranetz Hypertronics connector, 2" dia. maximum conductor size, 1000V Max rated.



### FLEX3K24PKG-HD

#### 1- DRANFLEX3003XLB24 Three phase flex probe 30/300/3000Amp

3A to 3000Amp (3 ranges), 1.5V output, Dranetz Hypertronics connector, 8" dia. maximum conductor size, 1000V Max rated.

#### 1- DRANFLEX3000XLB24 Single phase flex probe 30/300/3000Amp

3A to 3000Amp (3 ranges), 1.5V output, Dranetz Hypertronics connector, 8" dia. maximum conductor size, 1000V Max rated.



### FLEX3K36PKG-HD

#### 1- DRANFLEX3003XLB36 Three phase flex probe 30/300/3000Amp

3A to 3000Amp (3 ranges), 1.5V output, Dranetz Hypertronics connector, 11" dia. maximum conductor size, 1000V Max rated.

#### 1- DRANFLEX3000XLB36 Single phase flex probe 30/300/3000Amp

3A to 3000Amp (3 ranges), 1.5V output, Dranetz Hypertronics connector, 11" dia. maximum conductor size, 1000V Max rated.



### FLEX3K48PKG-HD

#### 1- DRANFLEX3003XLB36 Three phase flex probe 30/300/3000Amp

3A to 3000Amp (3 ranges), 1.5V output, Dranetz Hypertronics connector, 17" dia. maximum conductor size, 1000V Max rated.

#### 1- DRANFLEX3000XLB36 Single phase flex probe 30/300/3000Amp

3A to 3000Amp (3 ranges), 1.5V output, Dranetz Hypertronics connector, 17" dia. maximum conductor size, 1000V Max rated.



### FLEX6K24PKG-HD

#### 1- DRANFLEX6003XLB24 Three phase flex probe 60/600/6000Amp

6A to 6000Amp (3 ranges), 1.5V output, Dranetz Hypertronics connector, 8" dia. maximum conductor size, 1000V Max rated.

#### 1- DRANFLEX6000XLB24 Single phase flex probe 60/600/6000Amp

6A to 6000Amp (3 ranges), 1.5V output, Dranetz Hypertronics connector, 8" dia. maximum conductor size, 1000V Max rated.



### FLEX6K36PKG-HD

#### 1- DRANFLEX6003XLB36 Three phase flex probe 60/600/6000Amp

6A to 6000Amp (3 ranges), 1.5V output, Dranetz Hypertronics connector, 11" dia. maximum conductor size, 1000V Max rated.

#### 1- DRANFLEX6000XLB36 Single phase flex probe 60/600/6000Amp

6A to 6000Amp (3 ranges), 1.5V output, Dranetz Hypertronics connector, 11" dia. maximum conductor size, 1000V Max rated.



### FLEX6K48PKG-HD

#### 1- DRANFLEX6003XLB48 Three phase flex probe 60/600/6000Amp

6A to 6000Amp (3 ranges), 1.5V output, Dranetz Hypertronics connector, 17" dia. maximum conductor size, 1000V Max rated.

#### 1- DRANFLEX6000XLB48 Single phase flex probe 60/600/6000Amp

6A to 6000Amp (3 ranges), 1.5V output, Dranetz Hypertronics connector, 17" dia. maximum conductor size, 1000V Max rated.



## Current Probes

Clamp-on - AC only



TR-2500B 10A-500ARMS CT



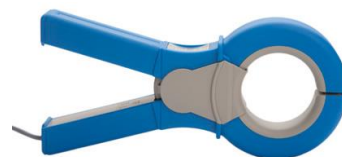
TR-2501B 100 mA to 1.2ARMS-CT



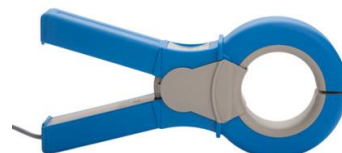
TR-2510B 1A-10ARMS CT



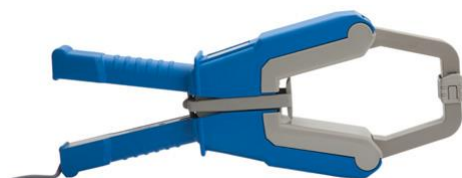
TR-2550B 1A-100ARMS CT



TR-2530B 20A-300ARMS CT



TR-2540B 10A-1000ARMS CT



TR-2520B 100A-3000ARMS CT

| Model      | Range            |                | Amplitude Accuracy<br>± | Phase Accuracy<br>± | Frequency Range | Maximum Conductor Size | Rated Voltage | Connector/ Output |
|------------|------------------|----------------|-------------------------|---------------------|-----------------|------------------------|---------------|-------------------|
| Clamp CT's |                  |                |                         |                     |                 |                        |               |                   |
|            |                  |                |                         |                     |                 |                        |               |                   |
| TR-2500B   | 10A to 500Arms   | 100A to 500A   | 1%                      | 1.5°                | 40Hz to 5KHz    | 50mm dia.              | 600V Max.     | Dranetz 1.5V      |
|            |                  | 10A to 100A    | 2%                      | 3°                  |                 |                        |               |                   |
|            |                  |                |                         |                     |                 |                        |               |                   |
| TR-2501B   | 100mA to 1.2Arms | 1.2A           | 1.5%                    | 2°                  | 40Hz to 5KHz    | 15mm dia.              | 600V Max.     | Dranetz 1.5V      |
|            |                  | 100mA          | 2%                      | 3°                  |                 |                        |               |                   |
|            |                  |                |                         |                     |                 |                        |               |                   |
| TR-2510B   | 1A to 10Arms     | 5A to 10A      | 1.2%                    | 1.5°                | 40Hz to 5KHz    | 15mm dia.              | 600V Max.     | Dranetz 1.5V      |
|            |                  | 1A to 5A       | 1.2%                    | 1°                  |                 |                        |               |                   |
|            |                  |                |                         |                     |                 |                        |               |                   |
| TR-2520B   | 100A to 3000Arms | 1000A to 3000A | 0.5%                    | 0.5°                | 40Hz to 5KHz    | 72mm dia.*             | 600V Max.     | Dranetz 1.5V      |
|            |                  | 300A to 1000A  | 0.75%                   | 0.75°               |                 |                        |               |                   |
|            |                  | 100A to 300A   | 1.5%                    | 1.5°                |                 |                        |               |                   |
|            |                  |                |                         |                     |                 |                        |               |                   |
| TR-2530B   | 20A to 300Arms   | 50A to 300A    | 1%                      | 0.5°                | 30Hz to 5KHz    | 54mm dia.              | 600V Max.     | Dranetz 1.5V      |
|            |                  | 20A to 50A     | 1.5%                    | 0.6°                |                 |                        |               |                   |
|            |                  |                |                         |                     |                 |                        |               |                   |
| TR-2540B   | 10A to 1000A     | 100A to 1000A  | 1%                      | 0.4°                | 30Hz to 5KHz    | 54mm dia.              | 600V Max.     | Dranetz 1.5V      |
|            |                  | 10A to 100A    | 1.5%                    | 0.5°                |                 |                        |               |                   |
|            |                  |                |                         |                     |                 |                        |               |                   |
| TR-2550B   | 1A to 100Arms    | 10A to 100A    | 1%                      | 2.5°                | 40Hz to 10KHz   | 15mm dia.              | 600V Max.     | Dranetz 1.5V      |
|            |                  | 1A to 10A      | 2%                      | 5°                  |                 |                        |               |                   |

**Note:** These are guidelines only. Many other factors will influence the stated accuracy, including but not limited to, temperature, humidity, frequency, and conductor position. Model numbers and specifications subject to change without notice.

TR probes with an "A" suffix have the same specifications as above.

The current probes shown above have a 1.5V output, Dranetz Hypertronics connector, 3 meter cable and are directly compatible with the following Dranetz products:

### Portable instruments

Dranetz HDPQ family, PowerXplorer, PowerGuide, PowerVisa, PowerGuia, Energy Platform, PP4300, 658 with CA4300 adapter.

### Permanent instruments

Encore 61000 with 61MAC module, Signature System 55XX. Adapters are available for use with other instrument configurations; Please contact Customer Service for details.





## AC/DC Current Probes

**PR150-SP1B 150A CT**

**PR1500-SP7B 1500A CT**

*(Requires one PR9VUS AC adapter for each probe. UK, Euro plugs available.)*



**PR150-SP2B 150A CT**

**PR1500-SP8B 1500A CT**

*(9v battery powered only)*



| Model   | Range        |               | Amplitude Accuracy<br>± | Phase Accuracy<br>+/- | Frequen-<br>cy Range | Maximum<br>Conductor<br>Size | Rated<br>Voltage | Connector/<br>Output |
|---------|--------------|---------------|-------------------------|-----------------------|----------------------|------------------------------|------------------|----------------------|
| PR150B  | 15A to 150A  | 15A to 150A   | 1%                      | 3°                    | DC to 5KHz           | 52mm dia.                    | 600V Max.        | Dranetz<br>1.5V      |
| PR1500B | 150 to 1500A | 150A to 1500A | 1%                      | 1°                    | DC to 5KHz           | 52mm dia.                    | 600V Max.        | Dranetz<br>1.5V      |

Note: These are guidelines only. Many other factors will influence the stated accuracy, including but not limited to, temperature, humidity, frequency, and conductor position. Model numbers and specifications subject to change without notice.

The current probes shown above have a 1.5V output, Dranetz Hypertronics connector, 2 meter cable and are directly compatible with the following Dranetz products:

### Portable instruments

Dranetz HDPQ family, PowerXplorer, PowerGuide, PowerVisa, PowerGuia, Energy Platform, PP4300, 658 with CA4300 adapter.

### Permanent instruments

Encore 61000 with 61MAC module, Signature System 55XX. Adapters are available for use with other instrument configurations; Please contact Customer Service for details.

### PR9VUA AC Adapter (for PR Probes Only)



AC power adapter for the PR150 and PR1500 AC/DC probes

## Current Probe Accessories

### TR PROBE EXTENSION CABLE



|                |          |                |          |
|----------------|----------|----------------|----------|
| <b>TREXT5</b>  | 5' Long  | <b>TREXT20</b> | 20' Long |
| <b>TREXT10</b> | 10' Long | <b>TREXT25</b> | 25' Long |
| <b>TREXT15</b> | 15' Long | <b>TREXT30</b> | 30' Long |





## Flexible Probes

AC only

### Single Phase



**DRANFLEX3000XLB 30A/300A/3000A Probe**  
**DRANFLEX6000XLB 60A/600A/6000A Probe**  
Available in 24", 36" and 48"

### Three Phase



**DRANFLEX3003XLB 30A/300A/3000A Probe**  
**DRANFLEX6003XLB 60A/600A/6000A Probe**  
Available in 24", 36" and 48"

| Model                                            | Range                     |               | Amplitude Accuracy<br>± | Phase Accuracy<br>+/- | Frequency Range | Maximum Conductor Size | Rated Voltage | Connector/ Output |
|--------------------------------------------------|---------------------------|---------------|-------------------------|-----------------------|-----------------|------------------------|---------------|-------------------|
| DRANFLEX3000XLB<br>DRANFLEX3003XLB<br>24/36/48   | 3A to 3000A<br>(3 Ranges) | 3A to 30A     | 1%rdg, ±0.1A            | 1°                    | 10Hz to 10KHz   | 8/11/17in dia.         | 1000V Max     | Dranetz 1.5V      |
|                                                  |                           | 30A to 300A   | 1%rdg, ±0.1A            | 1°                    |                 |                        |               |                   |
|                                                  |                           | 300A to 3000A | 1%rdg, ±1A              | 1°                    |                 |                        |               |                   |
| DRANFLEX 6000XLB<br>DRANFLEX 6003XLB<br>24/36/48 | 6A to 6000A<br>3 ranges   | 6A to 60 A    | 1%rdg, ±0.1A            | 1°                    | 10Hz to 10KHz   | 8/11/17in dia.         | 1000V Max     | Dranetz 1.5V      |
|                                                  |                           | 60A to 600A   | 1%rdg, ±0.1A            | 1°                    |                 |                        |               |                   |
|                                                  |                           | 600A to 6000A | 1%rdg, ±1A              | 1°                    |                 |                        |               |                   |

**NOTE:** These are guidelines only. Many other factors will influence the stated accuracy, including but not limited to; temperature, humidity, frequency, and conductor position. Model numbers and specifications subject to change without notice.

## MicroFlex Probes

AC only-Single phase



**DRANFLEX300MHB 3A/30A/300A Probe**  
Available in 6", 8" and 12"

| Model                                                            | Range                    |             | Amplitude Accuracy<br>± | Phase Accuracy<br>+/- | Frequency Range | Maximum Conductor Size | Rated Voltage | Connector/ Output |
|------------------------------------------------------------------|--------------------------|-------------|-------------------------|-----------------------|-----------------|------------------------|---------------|-------------------|
| DRANFLEX300MHB6<br>DRANFLEX300MHB8<br>DRANFLEX300MHB12<br>6/8/12 | 0.3A to 300A<br>3 ranges | 0.3A to 3A  | 1%rdg, ± 0.1A           | 1°                    | 25Hz to 70kHz   | 2/2.75/4in dia.        | 1000V MAX     | Dranetz 1.5V      |
|                                                                  |                          | 3A to 30A   | 1%rdg, ± 0.1A           | 1°                    |                 |                        |               |                   |
|                                                                  |                          | 30A to 300A | 1%rdg, ± 0.5A           | 1°                    |                 |                        |               |                   |

Note: These are guidelines only. Many other factors will influence the stated accuracy, including but not limited to; temperature, humidity, frequency, and conductor position. Model numbers and specifications subject to change without notice.

The current probes shown above have a 1.5V output, Dranetz Hypertronics connector, 3 meter cable ( 2 meters from probe head to Integrator box, 1 meter to instrument) and are directly compatible with the following Dranetz products:

#### Portable instruments

Dranetz HDPQ family, PowerXplorer, PowerGuide, PowerVisa, PowerGuia, Energy Platform, PP4300, 658 with CA4300 adapter.

#### Permanent instruments

Encore 61000 with 61MAC module, Signature System 55XX. Adapters are available for use with other instrument configurations; Please contact Customer Service for details.



## Miscellaneous Accessories

### USB-FLASH



USB flash drive (Micro)-8GB.

### 118308-G1



HDPQ battery door.

### 118313-G1 Keyhole Mounting Kit



Keyhole mounting kit for HDPQ

## Batteries & Power Adapters

### BP-HDPQ



Battery for HDPQ-Xplorer400, HDPQ-Xplorer, HDPQ-Guide, and HDPQ-Visa.

### PS-HDPQ AC Power Adapter



Instrument power supply for HDPQ-Xplorer400, HDPQ-Xplorer, HDPQ-Guide, and HDPQ-Visa.

### External Battery Charger



**XBC-HDPQ-US**  
**XBC-HDPQ-EU**  
**XBC-HDPQ-UK**  
**XBC-HDPQ-AU**

- External battery charger XBC-HDPQ, and US 125V cord only
- External battery charger XBC-HDPQ, European 250V cord, and US 125V cord
- External battery charger XBC-HDPQ, UK 250V cord, and US 125V cord
- External battery charger XBC-HDPQ, Australian, 250V cord, and US 125V cord



## Measurement Accessories

### VCS-HDPQ Voltage Cable Set



Voltage cable set with 4mm connectors.  
*Compatible with portable and permanent systems with 4mm voltage connectors.*

**Includes:**

- 8 - Six ft. (183cm) measurement cables:  
4 Black (901963), 4 White (900370)
- 4 - White alligator clips (901962)
- 4 - Black alligator clips (901794)
- 4 - Black 25 cm stackable jumpers (114013-G1)
- Current and Voltage Wire Marking Kit (WMI-KIT, WMV-KIT)



**White Alligator Clip**  
**901962**



**Black Alligator Clip**  
**901794**

### 114013-G1



- 1 - Black 25 cm stackable jumpers

### WMI-KIT Snap-on Current Wire Marking Kit



Snap-on wire marking kit for current cables.

### WMV-KIT Snap-on Voltage Wire Marking Kit



Snap-on wire marking kit for voltage cables.

### FVA-1K1 Single Fuse Voltage Adapter



In-line fuse adapter for one voltage channel, 4mm connector, 1000V MAX.  
*Compatible with portable and permanent systems with 4mm voltage connectors.*

### FVA-1K4



Set of 4 in-line fuse adapters, 4mm connector, 1000V MAX.  
*Compatible with portable and permanent systems with 4mm voltage connectors.*

## Communications

### GPSMAKIT-HDPQ



HDPQ GPS receiver and *magnetic mount GPS antenna*.

### USB-MCABLE



USB male A to USB Micro B, 6 foot cable.

### USB-BLUETOOTH



*USB Bluetooth 2.1 adapter, Class I*

### ETH-CABLE



Ethernet cable, CAT5, 10 ft.

### ETHX-CABLE



Ethernet crossover cable, CAT5, 10 ft.

## HDPQ Carrying Cases and Enclosures

### SCC-HDPQ Soft Carry Case



Soft carry case. Storage compartments for the instrument, CT's, voltage cables, and more.

**Dimensions:**

12" L x 18" W x 9" D

30.5cm L x 45.72cm W x 22.86cm D

### RSC-HDPQ



Rugged shipping container with foam inserts and lid organizer. Retractable extension handle with strong polyurethane wheels.

**(Does NOT include HDPQ).**

**Interior dimensions:**

19.75" L x 11.00" W x 7.60" D

50.1cm L x 27.9cm W x 19.3cm D

**FAA maximum carry on size**



### ENCL-HDPQ-US



HDPQ weather resistant enclosure, includes 115 volt phase power cable.

**Dimensions:**

16.75" L x 12" W x 8" D

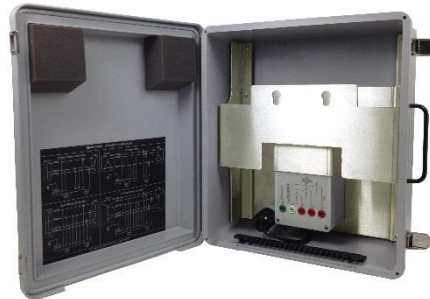
42.5cm L x 30.5cm W x 20cm D

*"Also available with a 230 volt phase power cable:*

**ENCL-HDPQ-EU "**



### ENCL-HDPQ-PPA115



HDPQ weather resistant enclosure, includes a 115 Volt output Phase Power Adapter.

**Dimensions:**

16.75" L x 12" W x 8" D

42.5cm L x 30.5cm W x 20cm D

*"Also available for 230 Volt output: **ENCL-HDPQ-PPA230**"*



### AMPOLEMNT14



Pole mount kit for ENCL-HDPQ series enclosures, includes mounting hardware.





## Dran-View7 Software



Dran-View 7 PRO for the following instruments: all Dranetz HDPQ products, PowerVisa, PG4400, PX5, PX5-400, EP1, 4300, PP1, 658, DRANLINK PP1/658, Measuring Pad. Includes DranSet 2.



Dran-View 7 ENTERPRISE for the following instruments: all Dranetz HDPQ Products, PowerVisa, PG4400, PX5, PX5-400, EP1, 4300, PP1 and 658 and DRANLINK PP1/658, PQDIF, COMTRADE, Text Files and includes DRANLINK PP1/658, Measuring Pad. Includes PQDIF Writer. Includes DranSet 2.

### Dran-View® 7

#### Features and comparison of DV7 Professional with DV7 Enterprise

| Description                                                          | DV7 Professional | DV7 Enterprise |
|----------------------------------------------------------------------|------------------|----------------|
| <b>User Interface</b>                                                |                  |                |
| Ribbon bar - Modern appearance                                       | ●                | ●              |
| Scrollable (rubber band) chart axes                                  | ●                | ●              |
| View Trends, Waveforms, Magnitude/Duration and DFT                   | ●                | ●              |
| Chart area marking tool                                              | ●                | ●              |
| Format templates provides unified layout                             | ●                | ●              |
| Event filtering/sorting                                              | ●                | ●              |
| Drag and drop charts, axes etc.                                      | ●                | ●              |
| Insert pictures and photos                                           | ●                | ●              |
| Floating notations (balloons) with user defined text or data         | ●                | ●              |
| Customizable toolbars, keyboard shortcuts and menus.                 | ●                | ●              |
| <b>File and System features</b>                                      |                  |                |
| 64 bit program (Optimized for 64 or 32 bit systems)                  | ●                | ●              |
| Support for large data files                                         | ●                | ●              |
| Automatic updates via Internet                                       | ●                | ●              |
| Compatible with most Dranetz legacy products and Dran-View 6         | ●                | ●              |
| Reads PQDIF and COMTRADE files                                       | ●                | ●              |
| Reads tabulated text files                                           | ●                | ●              |
| REMOVE partial data from measurement                                 | ●                | ●              |
| <b>Report Writing</b>                                                |                  |                |
| Basic report writer modules                                          | ●                | ●              |
| Monitoring mode specific reports                                     | ●                | ●              |
| Integrated text editor (RTF-editor)                                  | ●                | ●              |
| Snapshots / Bookmarks                                                | ●                | ●              |
| Add selected events and trends to report                             | ●                | ●              |
| Reports against EN, IEC, G5/4, NVE standards                         | ●                | ●              |
| Multi-Site Report Writing                                            | ●                | ●              |
| <b>Multi-Site Capabilities</b>                                       |                  |                |
| Presentation of up to 16 simultaneous data sets                      | ●                | ●              |
| Multi-Site events filter (find events occurred at several locations) | ●                | ●              |
| Multi-Site time synchronization                                      | ●                | ●              |
| Mathematical comparisons between data sets (difference etc.)         | ●                | ●              |
| <b>Rescue Kit (Data repair)</b>                                      |                  |                |
| Adjust timestamps                                                    | ●                | ●              |
| Flip current probes                                                  | ●                | ●              |
| Change scaling factors                                               | ●                | ●              |
| Change connection type                                               | ●                | ●              |
| <b>Mathematical</b>                                                  |                  |                |
| Calculate trends and harmonics from waveform data                    | ●                | ●              |
| Separate harmonic scaling for voltage, current and power             | ●                | ●              |
| Enhanced DFT features - Analyze harmonic spectra in the signal       | ●                | ●              |
| Mathematical formulas (calculate leakage current etc)                | ●                | ●              |
| Mathematical comparisons between multiple sites                      | ●                | ●              |





## Dranetz - The Standard for Energy & Power Management

For more than 50 years, Dranetz has been the leading provider of intelligent monitoring solutions for electrical demand, energy and power quality. With over 100,000 clients worldwide, Dranetz's scalable solutions range from portable power quality analysis equipment, to permanent energy management devices with data storage and web-based solutions. Dranetz provides a full suite of services, including personalized pre- and post-sales support, educational power quality seminars, consulting, customization and on-site assistance.

Dranetz corporate headquarters, located in Edison, New Jersey USA, includes sales, product support and manufacturing, with distributors and sales representatives located globally. Dranetz proudly manufactures their products in the USA, and is also a global supplier of [Gossen Metrawatt \(GMC-I\)](#) electrical test and measurement products.

View our power quality analyzers, energy monitoring systems, electrical safety testers, electrical digital multifunction meters and more at [www.Dranetz.com](http://www.Dranetz.com) (categorized by function to easily determine the Dranetz product that is the right tool for your needs).

