

HDPQ® SP Weatherproof Power Quality Packages



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Dranetz HDPQ[®] SP Family - Features Guide

	Feature	HDPQ Visa SP	HDPQ Guide SP	HDPQ Xplorer SP
Enclosure	IP65	•	•	•
Power	AC/DC Power: 90-600VAC/500VDC, CAT IV, 50/60Hz	•	•	•
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 SP
Answer Modules	Motor Health	•	•	•
	Sag Directivity		•	•
	Power Factor Correction Capacitor		•	•
Setups	Automatic Setups for PQ, Demand & Energy	•	•	•
	Manual Setup Wizard	•	•	•
	Monitoring Modes	7	9	9
	Max Pre/Post Trigger Cycles	100	10,000	10,000
	# Transient Triggers	3	3	4
Safety		•	•	•
	CE	•	•	•

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

HDPQ[®] SP Weatherproof Power Quality Package

HDPQ-SPVAFLEX3KPKG-IP



HDPQ[®] Visa SP

The Best Value in PQ & Energy Monitoring

The **Dranetz HDPQ[®] Visa SP** is housed in an IP65 enclosure and can be powered from the circuit being measured or another source. No other product at this price point comes close to matching the benefits and features provided by the Dranetz HDPQ[®] Visa SP.



Phase Power Interconnect Cable 118708-G1

Phase Power Interconnect Cable. (Standard Accessory)



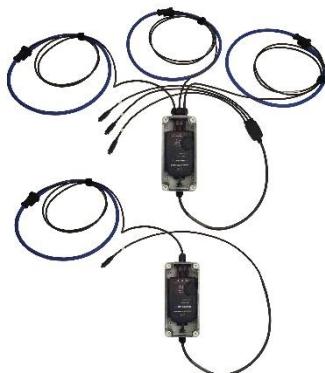
USB Micro Adapter USBMA-OTG

USB Micro adapter On the Go.



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.



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3A to 3000Amp (3 ranges), 1.5V output, IP65 connector, 8" dia. maximum conductor size, 1000V Max rated.

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

3A to 3000Amp (3 ranges), 1.5V output, IP65 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 DV7P-PX

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HDPQ® SP Weatherproof Power Quality Package

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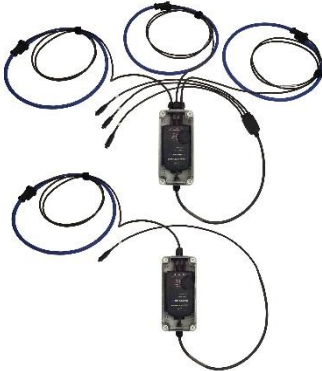
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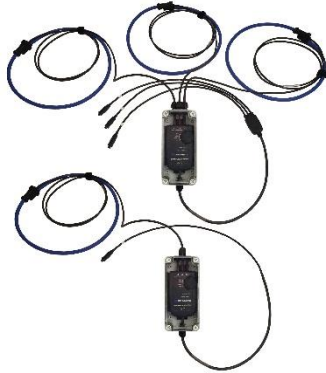


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HDPQ® SP Weatherproof Power Quality Package

HDPQ-SPGAFLEX3KPKG-IP



HDPQ® Guide SP

The Best Combination of Value & Technology in a PQ Analyzer

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USB Micro Adapter USBMA-OTG

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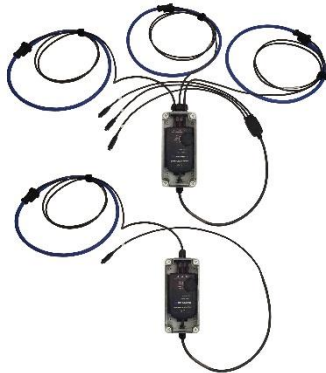
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HDPQ® SP Weatherproof Power Quality Package

HDPQ-SPXAFLEX3KPKG-IP



HDPQ® Xplorer SP

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Phase Power Interconnect Cable. (Standard Accessory)



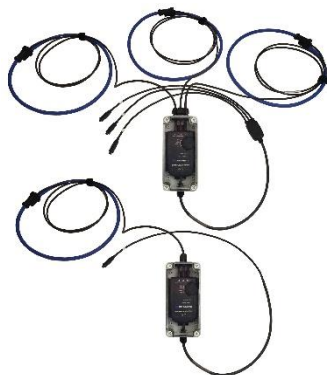
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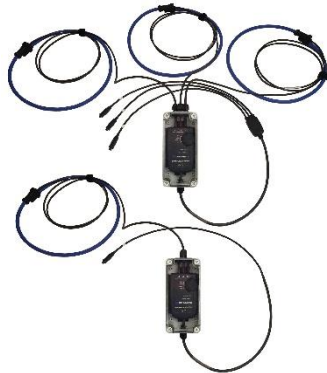
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HDPQ® SP Weatherproof Power Quality Package

HDPQ-SPXAMFLEX3PKG-IP



HDPQ® Xplorer SP

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Phase Power Interconnect Cable 118708-G1

Phase Power Interconnect Cable. (Standard Accessory)



USB Micro Adapter USBMA-OTG

USB Micro adapter On the Go.



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HDPQ® SP Weatherproof Power Quality Package

HDPQ-SPX4AFLEX3KPKG-IP

HDPQ® Xplorer 400 SP

Designed for Commercial, Military, Aviation, and Naval Industries with 400Hz Monitoring Capability!

The **Dranetz HDPQ® Xplorer 400 SP** is housed in an IP65 enclosure and can be powered from the circuit being measured or another source. The Dranetz HDPQ® Xplorer 400 SP was designed with 400Hz applications in mind, but it is also an all-purpose tool that can be used for any traditional 50/60Hz application. In addition to the 400Hz application, the Dranetz HDPQ® Xplorer 400 SP is perfect for applications such as power quality surveys, voltage and current transient studies, fault recording, inrush, motor testing, harmonic analysis, advanced distortion analysis, demand/energy/load studies, and many more.

Phase Power Interconnect Cable 118708-G1

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This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

IP65 Flexible Probes

AC only, for use with LPC-HDPQ or HPPQ-SP.

Single Phase



Three Phase



DRANFLEX3000XLB-IP 30A/300A/3000A Probe

DRANFLEX6000XLB-IP 60A/600A/6000A Probe

Available in 24", 36" and 48"

DRANFLEX3003XLB-IP 30A/300A/3000A Probe

DRANFLEX6003XLB-IP 60A/600A/6000A Probe

Available in 24", 36" and 48"

Model	Range		Amplitude Accuracy ±	Phase Accuracy +/-	Frequency Range	Maximum Conductor Size	Rated Voltage	Connector/ Output
DRANFLEX3000XLB-IP DRANFLEX3003XLB-IP 24/36/48	3A to 3000A (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°				
DRANFLEX6000XLB-IP DRANFLEX6006XLB-IP 24/36/48	6A to 6000A 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.

IP65 MicroFlex Probes

AC only-Single phase, for use with LPC-HDPQ or HDPQ-SP.



DRANFLEX300MHB-IP 3A/30A/300A Probe

Available in 6", 8" and 12"

Model	Range		Amplitude Accuracy ±	Phase Accuracy +/-	Frequency Range	Maximum Conductor Size	Rated Voltage	Connector/ Output
DRANFLEX300MHB6-IP DRANFLEX300MHB8-IP DRANFLEX300MHB12-IP 6/8/12	0.3A to 300A 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, IP65 connector, 3 meter cable (2 meters from probe head to IP65 Integrator box, 1 meter to instrument) and are directly compatible with the following Dranetz products:

Portable instruments

Dranetz HDPQ-XPLORER400-A-SP, HDPQ-XPLORER-A-SP, HDPQ-GUIDE-A-SP and HDPQ-VISA-A-SP.

IP65 Lockable Portable Cases

LPC-HDPQ only.

Note: Custom ordered parts – Please contact the Factory for delivery information.



HDPQ[®] SP Miscellaneous Accessories

USB-FLASH



USB flash drive (Micro)-8GB.

USBMA-OTG USB Micro Adapter



USB Micro Adapter On the Go. (Standard Accessory)

TRTOIP65-EXT1



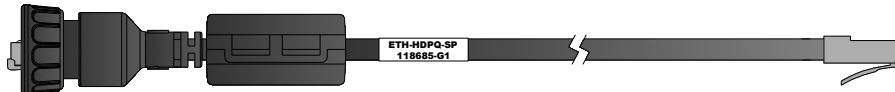
TR to IP65, 16 inch length, (Qty. 1) Current Probe Adapter Cables. (Standard Accessory)

TRTOIP65-EXT6



TR to IP65, 6 FT length, (Qty. 1) Current Probe Adapter Cables.

ETH-HDPQ-SP



IP65 rated Ethernet cable to be used with HDPQ-SP-Xplorer400, HDPQ-SP-Xplorer, HDPQ-SP-Guide, and HDPQ-SP-Visa.

HDPQ[®] SP Battery

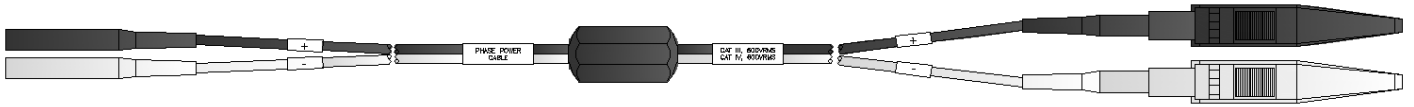
BP-HDPQ-SP (Standard Accessory)



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

HDPQ® SP Measurement Accessories

118707-G1



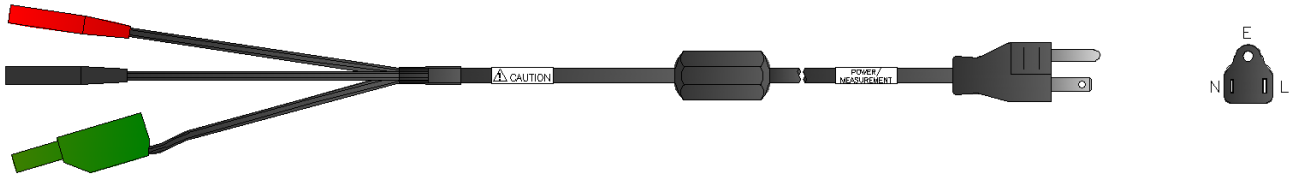
HDPQ-SP CAT IV Phase Power Cables/Clip- Use when powering from a CAT IV source. (Optional Accessory)

118708-G1



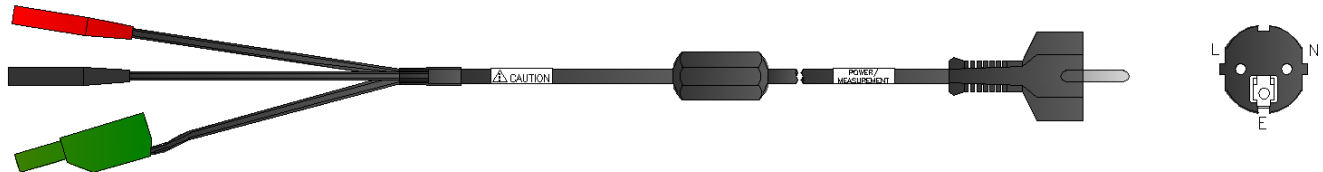
Phase Power Interconnect Cable. (Standard Accessory)

HDPQ-SPPWR-US



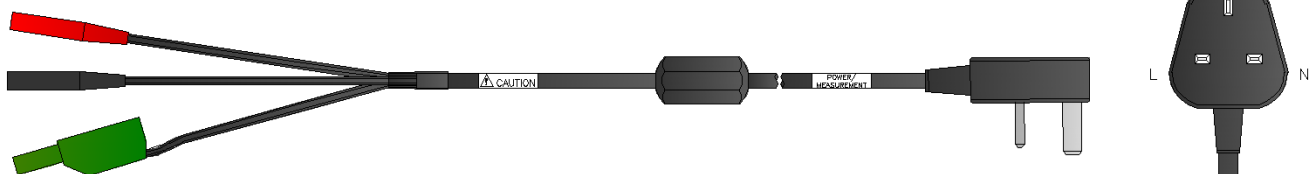
HDPQ-SP US Power Cord, for use when not powering from the phase. (Optional Accessory)

HDPQ-SPPWR-EU



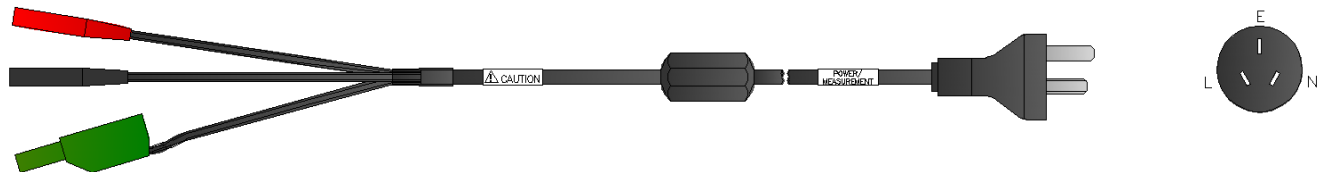
HDPQ-SP Euro Power Cord, for use when not powering from the phase. (Optional Accessory)

HDPQ-SPPWR-UK



HDPQ-SP UK Power Cord, for use when not powering from the phase. (Optional Accessory)

HDPQ-SPPWR-AU



HDPQ-SP AU Power Cord, for use when not powering from the phase. (Optional Accessory)

HDPQ[®] SP Measurement Accessories

VCS-HDPQ Voltage Cable Set (Standard Accessory)



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)

CVCS-HDPQ Color Voltage Cable Set



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

Includes:

- 11 - Six ft. (183cm) measurement cables:
4 White (900370), 1 RED (902159-LF), 1 YELLOW (902160-LF), 1 GRAY (902161-LF),
1 BROWN (902162-LF), 1 BLUE (902163-LF), 1 ORANGE (902244-LF) and
1 GREEN (902245-LF).
- 4 - White alligator clips (901962)
- 4 - Black alligator clips (901794)
- 1 - Green alligator clip (902246-LF)
- 4 - Black 25 cm stackable jumpers (114013-G1)
- 1 - Color Ring Label Set (4 white, 4 red, 4 yellow, 4 gray, 4 brown, 4 blue, 4 orange and 4 green)

WMI-KIT



Wire Marker kit for Current
Probes, Snap-on, .218 DIA.

WMV-KIT



Wire Marker kit for Voltage
Cables, Snap-on, .138 DIA.

WMFV-KIT



Wire Marker kit for Fuse Voltage
Kit, Snap-on, .138 DIA.

CL-KIT-HDPQ



HDPQ colored V/I channel label Kit.

White Alligator Clip 901962

(Standard Accessory)



Black Alligator Clip 901794

(Standard Accessory)



Green Alligator Clip 902246-LF

(Supplied with CVCS-HDPQ)



- 1 - Black 25 cm stackable jumpers

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.

HDPQ® SP 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-SP



Rugged shipping container with foam inserts

(Does NOT include HDPQ SP UNIT and HDPQ SP cable pouch).

Dimensions:

20.62" L x 16.82" W x 8.12" D

52.4 cm L x 42.8 cm W x 20.6 cm D

HDPQ® SP Communications

GPSMA-HDPQ



HDPQ-SP GPS Magnetic Mount GPS Antenna.

USB-BLUETOOTH-SP

(Standard Accessory on HDPQ Guide SP, HDPQ Xplorer SP and HDPQ Xplorer 400 SP)



USB Bluetooth 2.1 adapter, Class I

GPS-HDPQ-SP



HDPQ-SP GPS Receiver. Must be specified at time of order. (Factory Installed Option)

GPSMAKIT-HDPQ-SP

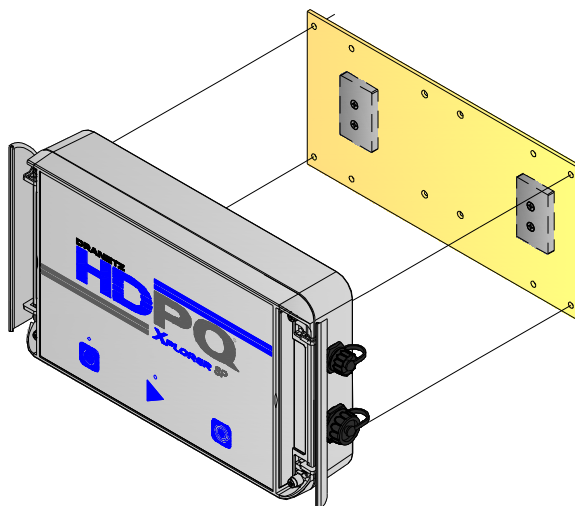


HDPQ-SP GPS Receiver plus a Magnetic Mount GPS Antenna. Must be specified at time of order. (Factory Installed Option)

HDPQ[®] SP Mounting Options

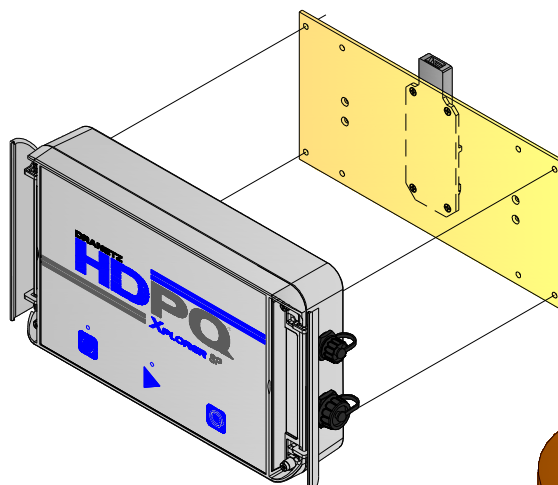
HDPQ SP Magnetic Mount MM-HDPQ-SP

The Magnetic Mounting optional accessory **MM-HDPQ-SP** allows the Dranetz HDPQ-SP Instrument to be attached to ferromagnetic Metallic surfaces.



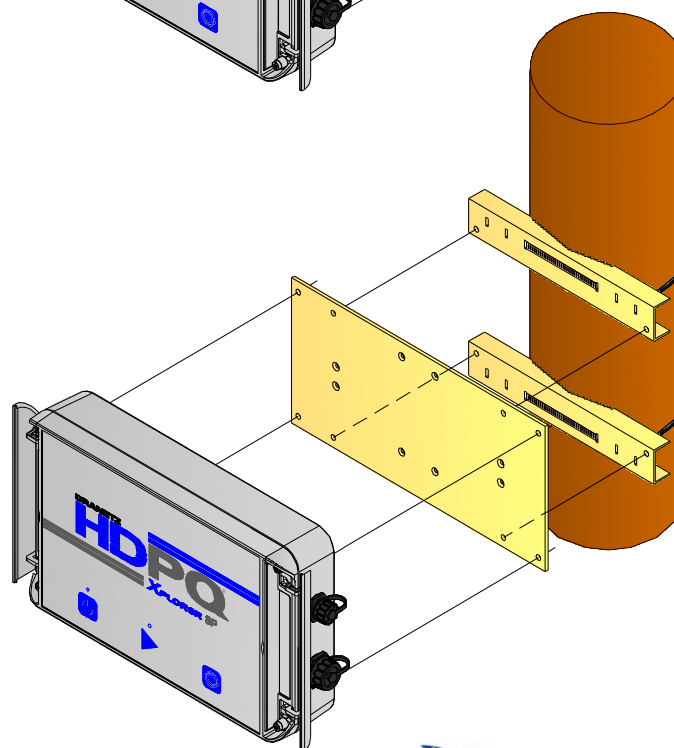
HDPQ SP Din-Rail Mount DIN-HDPQ-SP

The DIN Rail Mounting optional accessory **DIN-HDPQ-SP** allows the Dranetz HDPQ-SP Instruments to be attached to a 35mm wide Standard DIN rail mount.



HDPQ SP Pole Mount PM-HDPQ-SP

The Pole Mounting optional accessory **PM-HDPQ-SP** allows the Dranetz HDPQ-SP Instruments to be attached to many pole shapes and sizes up through 15" diameter.



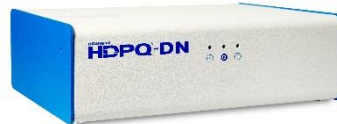
The Standard for Energy & Power Management



HDPQ-SP



HDPQ Plus

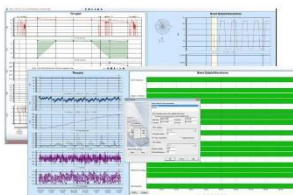


Fixed Systems

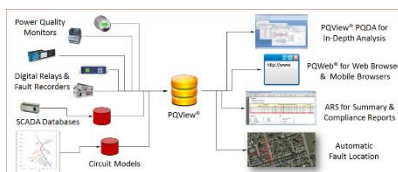


Dranetz Measurement Accessories

DRAN-VIEW 7®



PQView®



PQView DE®

