

# HYDRON INCORPORATED

## PD800W CORDLESS PHASING TESTER



Featuring state-of-the-art wireless technology, the PD800W Cordless Phasing Tester effectively and easily operates in multiple applications including phasing, voltage detection, phase sequencing and phase angle detection.

Designed to operate like a conventional phasing tester, **but does not require an interconnect cable or extension resistors**. Each set consists of two units: 1) Reference Probe (Transmitter) and 2) Meter Probe (Receiver).

### Basic Functions:

- **Cordless Phasing Tester** - Capacitive test points - 800kV
- **Phase Sequencing & Phase Angle Indicator** - Identifies phase relationships with indicating lights and in degrees of separation. Automatically alerts user of the existence of Delta/Wye transformations. Can be used to tie utility systems and congeneration plants together.
- **Voltage Detector** - 4kV - 69kV
- **Operating Range** - 70 ft.

Both the Reference Probe and the Meter Probe (Fig. 1) have a five position selector switch (Fig. A) on the probe face that controls different operating modes:

Meter Probe (Fig. B) features a large digital display with backlight and easy-to-read high intensity color coded indicator lights. Readings are displayed in kV and in degrees. Reference Probe (Fig. C) features high intensity indicator light for high visibility.

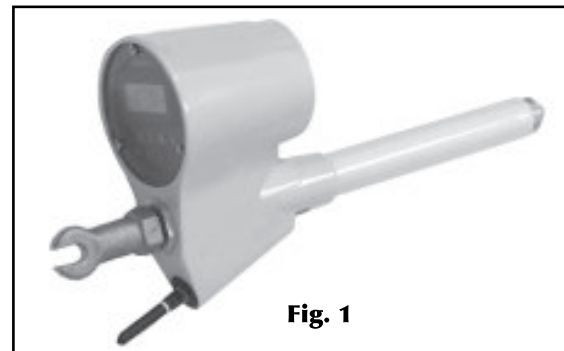


Fig. A



Fig. B



Fig. C

Number	Description	Weight (lbs)
PD800WU	Universal	13
PD600WGA	Grip All	13
PD800WQ	Quick Change	13
PD800US	Universal w/2 Bushing Adapters	15
PD800WGAS	Grip All w/2 Bushing Adapters	15
PD800WQS	Quick Change w/2 Bushing Adapters	15
PD800WH6	Quick Change w/Handles	24
PD800WH6S	Quick Change w/Handles & 2 Bushing Adapters	26
PD8H2WU	Universal w/1 Insulated Support Hook	18
PD8H2WGA	Grip All w/1 Insulated Support Hook	18
PD8H2WQ	Quick Change w/1 Insulated Support Hook	18

Note: Additional kits with accessories available upon request.

273 Weymouth Street, Rockland, MA 02370  
Phone 781-871-1920 • Fax 781-878-1507 • [www.hydroninc.com](http://www.hydroninc.com)

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## VOLTAGE DETECTORS/METERS



### DIGITAL VOLTMETER (0-50KV)

DESIGNED FOR MEASURING VOLTAGE AND PHASING ON OVERHEAD AND UNDERGROUND SYSTEMS

- Can be used on capacitive test points to detect voltage
- Completely shielded to minimize stray field interference
- Easy to read LCD digital meter
- Optional adapters available for underground use up to 35 kV
- No extension resistors required
- Connector cable protected by clear PVC covering
- 3kV test device included to verify unit and accuracy
- Watertight construction
- See page 214 for Accessories



**PD50**

NO.	DESCRIPTION	WEIGHT
PD50U	Universal	18 lbs
PD50GA	Grip All	18 lbs

### HIGH LINE RESISTIVE DIGITAL VOLTMETER (0 - 50kV)

Designed for reading AC voltage with an accuracy range of + or -2%

- Easy to read LCD digital meter
- Completely shielded to minimize stray field interference
- Connector cable protected by clear PVC covering
- Optional adapters available for underground use up to 35kV
- Watertight construction
- No extension resistors required
- 3kV test device available to verify unit and accuracy
- See page 214 for Accessories



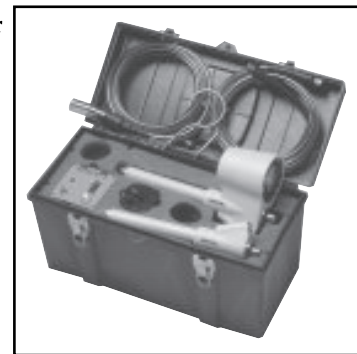
**RVD 50**

NO.	DESCRIPTION	WEIGHT
RVD50U	Universal	18 lbs
RVD50GA	Grip All	18 lbs

### VOLTAGE DETECTOR AND PHASING VOLTMETER - 300V - 25kV/35kV

Dual application design for use as voltage detector or phasing voltmeter

- Five-position switch controls different functions:
  - C - Indicates voltage on capacitive test points
  - CP - Phases using capacitive test points
  - L - Detects voltage on overhead and underground lines
  - LP - Phasing on overhead lines
  - BT - Battery Test
- Completely shielded to minimize stray field interference
- Easy to read analog meter scale
- 3kV test device to verify unit and accuracy included
- No extension resistors required
- Optional adapters available for underground use up to 35kV
- Connector cable protected with clear PVC covering
- Watertight construction



**81280/83280**

- See page 214 for Accessories

#### COMPLETE SETS

##### 300 v - 25KV

NO.	DESCRIPTION	WEIGHT
81280U	Universal	15 lbs
81280GA	Grip All	15 lbs
81280H6	Quick Change with Handles	25 lbs

##### 300 V - 35 KV

NO.	DESCRIPTION	WEIGHT
83280U	Universal	15 lbs
83280GA	Grip All	15 lbs
83280H6	Quick Change with Handles	25 lbs

##### 300 V - 25 KV UNDERGROUND & OVERHEAD

NO.	DESCRIPTION	WEIGHT
81280US	Universal	21 lbs
81280GAS	Grip All	21 lbs

*These sets come with 2 bushing adapters.*

##### 300 V - 35 KV UNDERGROUND & OVERHEAD

NO.	DESCRIPTION	WEIGHT
83280US	Universal	21 lbs
83280GAS	Grip All	21 lbs

*These sets come with 2 bushing adapters.*



**TESTERS & LIVE  
LINE TOOLS**

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## METER PARTS AND ACCESSORIES



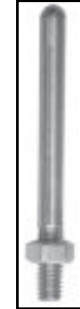
NO.	DESCRIPTION	WEIGHT
81280TEALB	15 - 25 kV Elbow Adapter	1 lb
81280TBALB	15 - 25 kV Bushing Adapter	1 lb
81280LHM	Hook Adapter	1 lb
81280LPM	Probe Adapter	1 lb
3403	QC to Universal Adapter	1 lb
3402TH5811	QC to Grip All Adapter	1 lb
10022CHL	Handle with Threaded Ferrule and Cap (2 required)	1 lb
10022HSL	Handle with Threaded Ferrule and Ferrule with Stud (4 required)	1 lb
PA25S	25 kV Voltage Sensor with Quick Change	2 lbs
PA35S	35 kV Voltage Sensor with Quick Change	1 lb
PA25PP	Phasing Probe with Quick Change	1 lb
PA25T	3 kV Power Supply	3 lbs
PA25B	Box with Foam Padding	7 lbs
81280FL	8' Lead with Female Adapter	2 lbs
81280ML	8' Lead, Standard	2 lbs
81280B1	6 Volt Battery	



81280TBALB



81280LHM



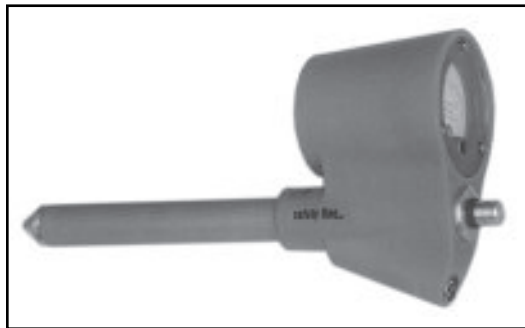
81280LPM



3403



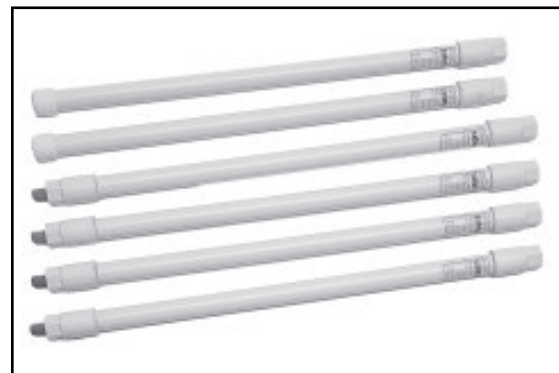
3402TH5811



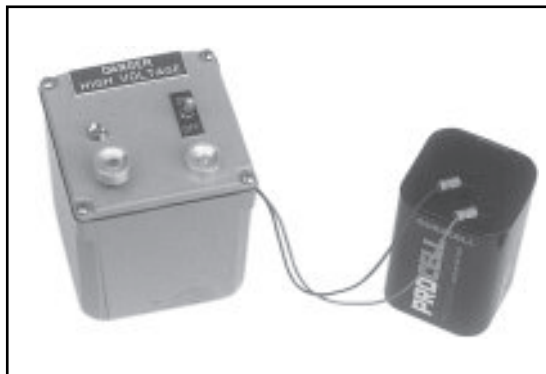
PA25S



PA25PP



10022CHL (2 ea.) & 10022HSL (4 ea.)



PA25T

81280B1



81280FL & 81280ML

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