HDW
sebaKMT Group Company

PVS 100

Phase Verification System

"Know the Phase"
Correct phase is identified every time

Advanced Intelligence
Phase is verified using GPS and mobile technology

User Friendly
LCD touch screen with easy to use software

EASY AND ACCURATE PHASE IDENTIFICATION

....Simple as A B C

Technical Specifications PVS 100

The system consists of two identical devices, one of which is used as a base station and is connected to a known reference phase. The second device (the mobile unit) can be connected anywhere in the network. The phasing can be determined across various voltage levels by comparing the angle of the phase currently being tested with that of the reference phase. Automatic comparison with a direct indication of the phase assignment takes place by synchronizing the two devices via a mobile connection, using GPS as a highly accurate time base. If there are one or more transformers between the base station and the test point, the effect of the vector groups and the associated phase shifts (multiples of 30°) can be easily taken into account by entering appropriate correction values. Special operating modes allow the system to be used even when there is no GPS or cellular connection. To do this, the mobile unit can either be synchronized before the test to an available low voltage supply that remains connected, or the recorded test readings are synchronized via an existing mobile connection after the test. The PVS 100 can be used anywhere thanks to its built-in rechargeable battery. The system is directly connected to the test object at network voltages up to 400 V. At higher voltages, up to 120 kV, the test is performed using a high voltage sensor which communicates with the PVS 100 via bidirectional wireless communication. The test status and the phase indication are signaled using a visual display on the sensor.

PVS 100

LCD Touch Screen:	240 x 128
GPS Antenna with cable:	Length 65ft.
Data Storage:	1 GB data memory/USB
Accuracy:	
At voltages up to 400V:	+/- 0.5°
At voltages up to 120kV	+/- 10°
Operating Voltage:	115VAC
Battery Operation:	10 hours
Operating Temperature:	-4 °F – 120 °F
Dimensions:	9" x 4" x 7"
Weight:	7 lbs.
Protection Class:	IP 54 w/ housing closed

HVS 100 High Voltage Sensor

Wireless Modem:	866MHz
Maximum Voltage:	120kV
Battery Operation:	50 hours
Dimensions:	3” x 8.5”
Weight:	2 lbs.
Protection Class:	IP 43

Features:

- Direct phase indication with GSM/GPS connection or with available low voltage connection
- Can operate independently of GSM or GPS reception with synchronization of stored readings
- 1 GB internal memory (for 10 days continuous operation)
- Li-Ion battery for 10 hours operation
- Data transfer via USB
- Operation via LCD touch screen
- Intuitive operating software, online help function
- High voltage sensor with bidirectional wireless communication to the PVS 100 as well as direct visual signaling

Flyer PVS 100 03-08

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