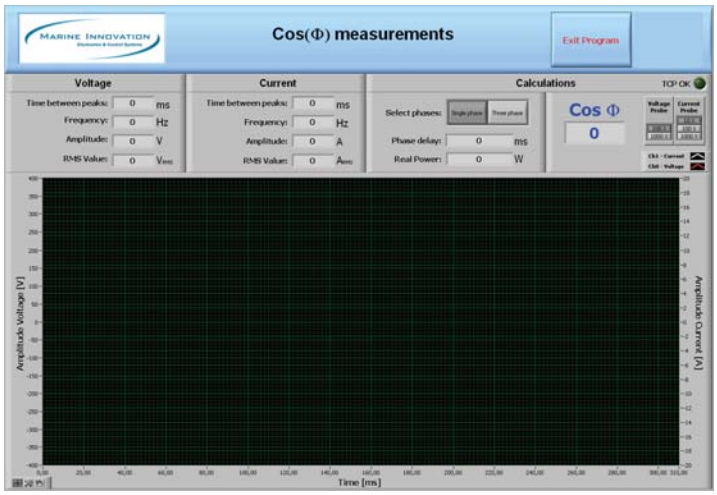
Power Factor Meter

4400Vrms / 1000A - Remote Operated

This portable High Voltage Power Factor Meter is designed based on the needs for measuring phase displacement on systems with nominal voltages up to 4400 VAC (rms).

The sensors applied are in accordance with safety standard CAT II and CAT III, 600VAC, which implies that if the voltage is above 600 VAC all sensors must be connected when the system is powered Off.

The High Voltage Power Factor Meter consists of a current sensor, a differential voltage sensor, a data acquisition unit and a software package to be installed on a remote computer. The data are transferred wireless from the data acquisition unit to the remote computer. In this way the operator/user can be located in a safe zone while the measurements are performed.



Current sensor

Type:	Fluke i1000s
Range:	0-1000 Ampere
Output:	1mV/A, 10 mV/A or 100 mV/A
Accuracy:	1% + 1 Ampere (48-65 Hz)
Safety:	CAT III, 600V
Clamp diameter:	54 mm

Voltage sensor

Type:	Tektronix P5210
Bandwidth:	50 MHz
Differential Input Resistance:	8 MOhm
Differential Input Capasitance	7 pF
Differential Input Voltage	4400 Vrms
Common Mode Input Voltage	2200 Vrms – Cat II
Typical CMRR	> 50 dB @ 1 MHz
Interface Style	TEKPROBE

Mar-In Power Factor Meter