

# KPM Three – Channel Wireless HV-CT Ratio Tester

## KPM-HVCTR - High Voltage Current Transformer Ratio Tester

As the name suggest KPM- HVCTR is an innovative product to measure Key line / CT parameters of upto 33KV system .

KPM-HVCTR is used for the determination of:

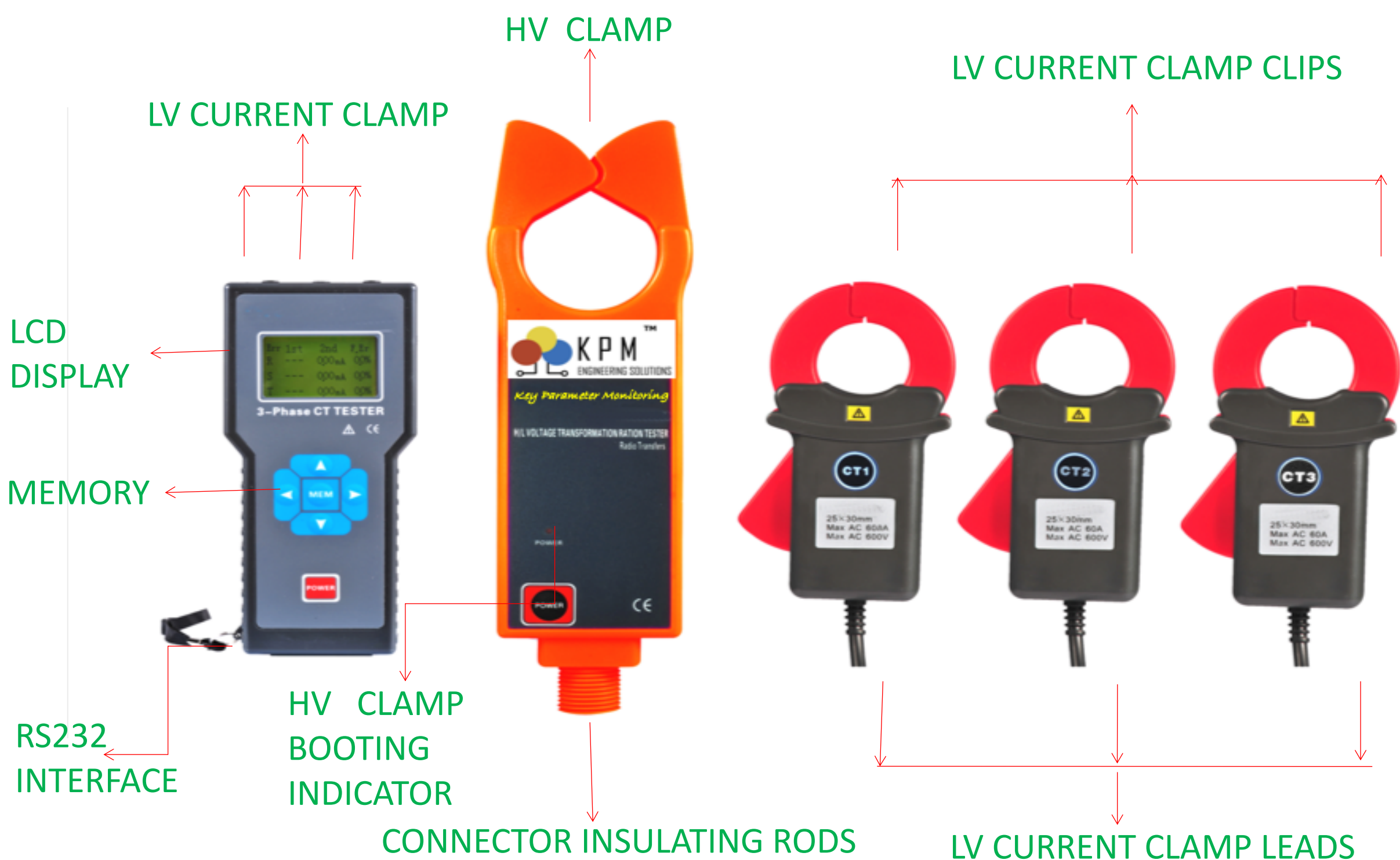
- Primary & Secondary Current Measurement
- Current Transformation Ratio
- Phase Sequence
- Polarity

KPM-HVCTR consist of three units:

• **High Voltage Clamp:** It is used with the Hot Stick to clamp the primary of current transformer. It transmits the wireless signal to the monitor.

• **Three- Channel Low-voltage Secondary Current Clamps :** Three secondary clamps are available for determination of secondary current of transformer.

• **Monitor:** It is used to display the various results with storage of 99 readings. It receives the primary signal through the wireless transmitter that is capable of penetrating wall obstacles with a direct-line transmission distance of about **30m**.

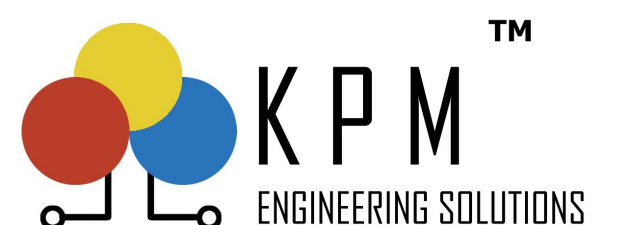




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## Technical Specifications

	The on-line measurement and detection for		
	➤ primary and secondary current		
<b>Functions</b>	➤ transformation ratio ➤ polarity ➤ phase sequence in the HV (upto 33 kV ) and LV systems		
<b>Power supply</b>	HV Clamp: DC6 V alkaline batteries (1.5V AAA × 4) Monitor: DC6V alkaline batteries (1.5V AAA ×4) 30-hour continuous operation available		
<b>Transmission mode</b>	High-voltage data transmitted through wireless network, with a linear transmission distance of 30m;		
<b>Range</b>	HV Clamp1st: 0.1mA ~ 1000A LV current clamp 2nd: 0.01mA ~ 10A		
<b>Resolution</b>	HV Clamp: 0.1mA; LV current clamp: 0.01mA		
<b>Primary circuit test accuracy</b>  (23 °C ± 3 °C, below70% RH)	0.0mA~9.99A: ±1%±5dgt		
	10.0A~49.9A: ±2%±5dgt		
	50.0A~199.9A: ±3%±5dgt		
	200A~600A: ±4%±5dgt		
	601A~1000A: ±5%±5dgt		
<b>Secondary circuit test accuracy</b>	0.00mA ~ 10A :	±1%±5dgt	(three-channel being displayed in one screen) (23°C± 3°C , less than 70%RH)

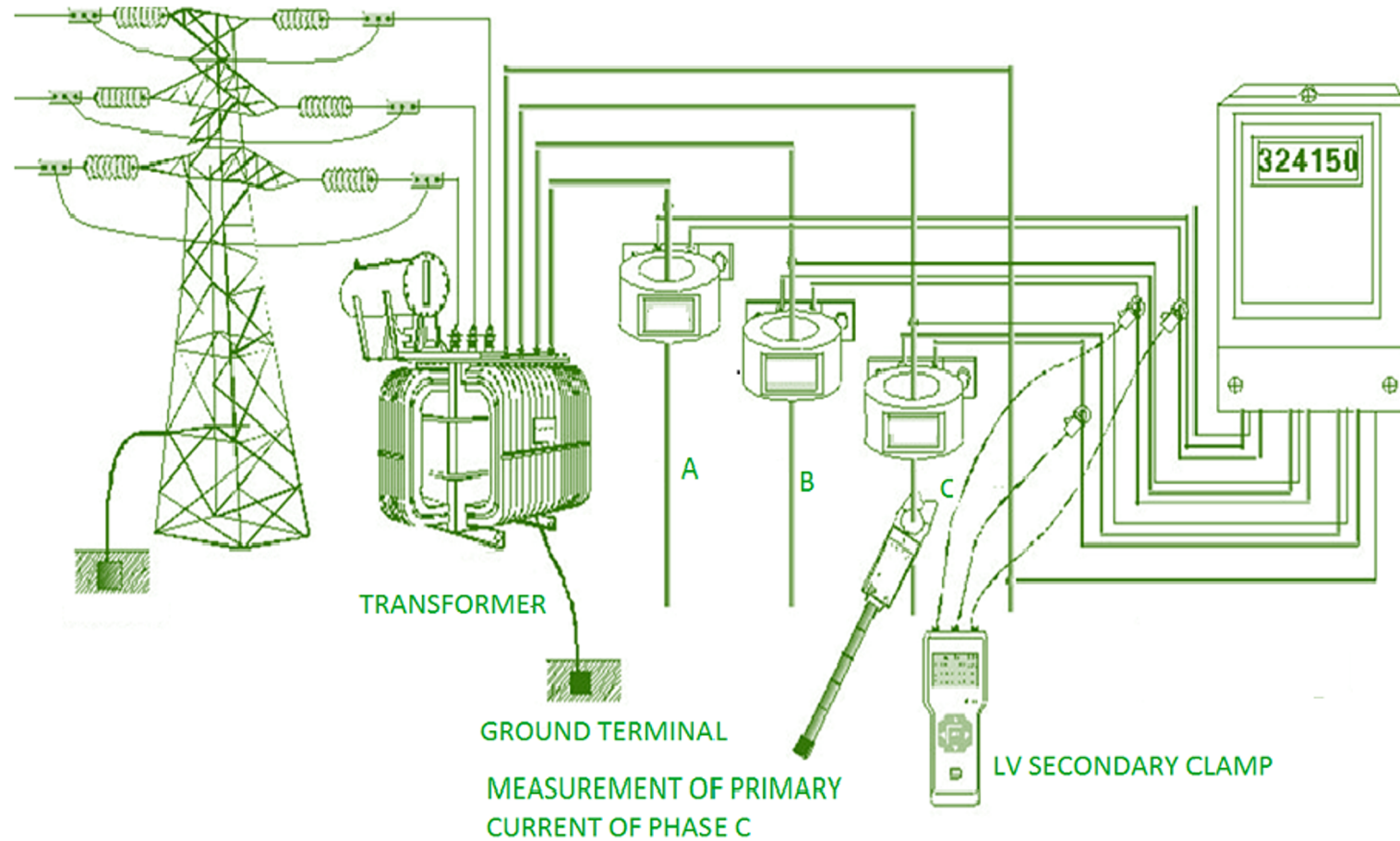




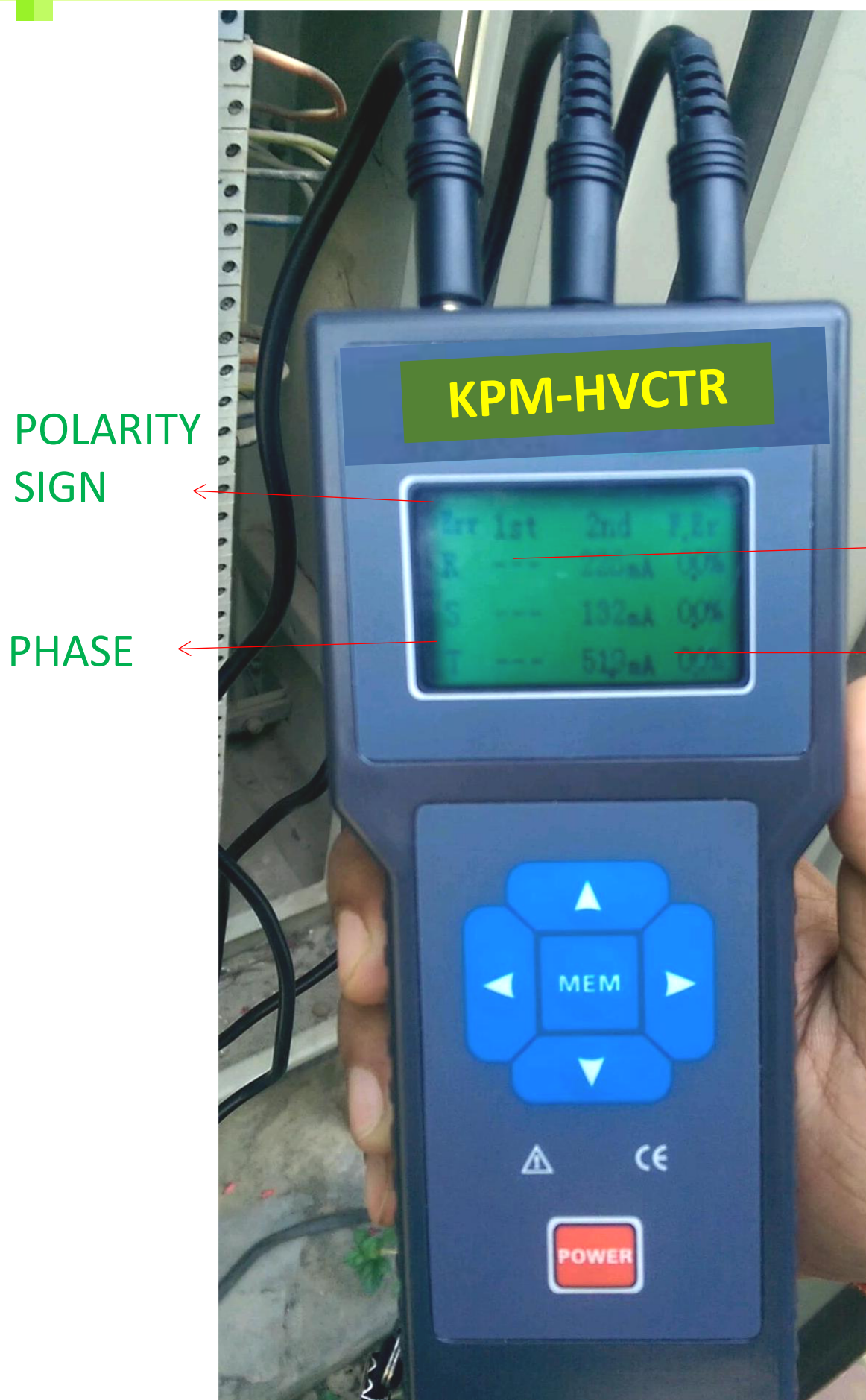


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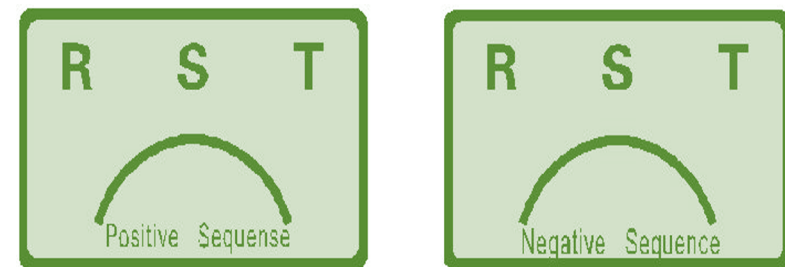
## APPLICATIONS:



## LCD DISPLAY:



## DETERMINATION OF PHASE SEQUENCE:



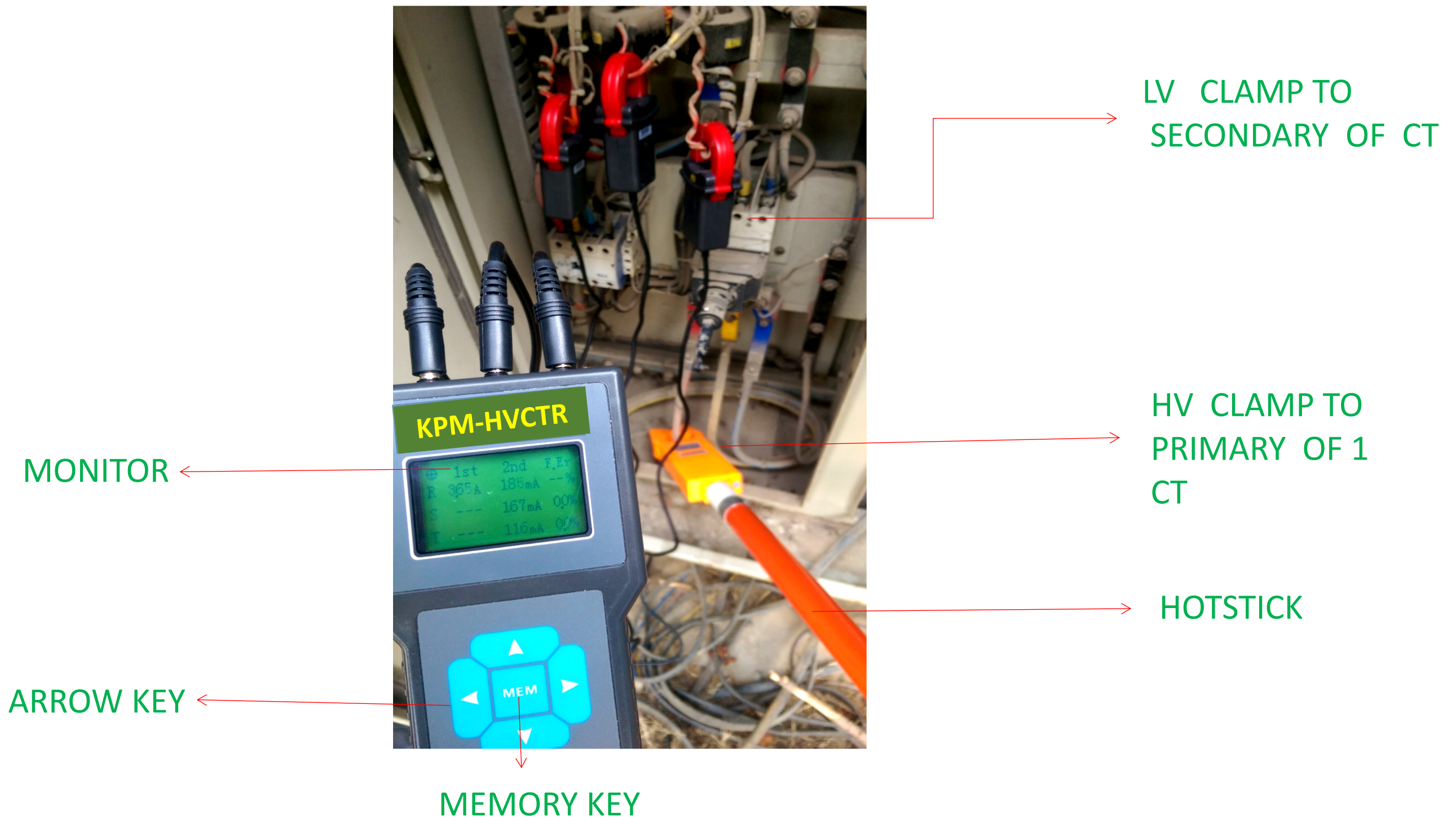
➤ Cursor rotates clockwise on LCD under the positive phase sequence

➤ Rotates counterclockwise under negative phase sequence



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## LIVE DEMONSTRATION:



### About Us

KPM is a high quality manufacturer & provider of rugged electrical testing equipment for EHV/HV/LV substations. KPM solutions are known for:

- Best in class specifications
- Unique test approach
- Interference rejection capability

Each equipment is supported by advance service center in Gurgaon backed by a team of expert application & service engineers. KPM aims in bringing highest specification products at the doorstep of Indian customers in best rates.

### Contact Us

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