

# EPT System:

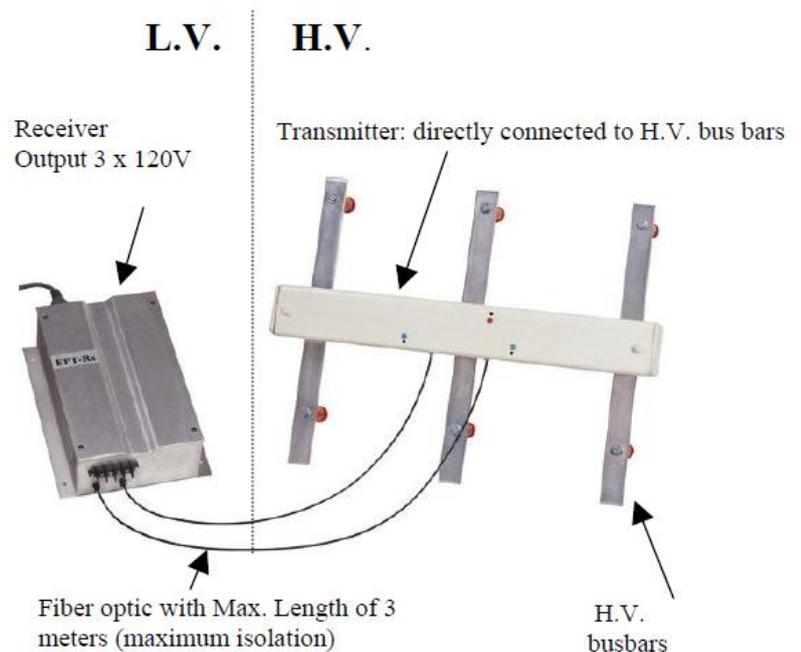
## Electronic Potential Transformer 1,500-13,800V (Fuse-less)

### General

The EPT is intended to replace the standard P/T, providing excellent isolation between H.V. and L.V. compartments.

The EPT consists of:

- The Transmitter mounted in the H.V. cabinet and connected directly to the H.V. bus bars. It measures the three-phase voltages and converts them to a PWM signal.
- The Receiver, mounted in the L.V cabinet, changes the PWM signal to a three phase, sine wave, 115V voltage
- Fiber Optic conductors are connecting the Transmitter to the Receiver.



### Advantages at a glance

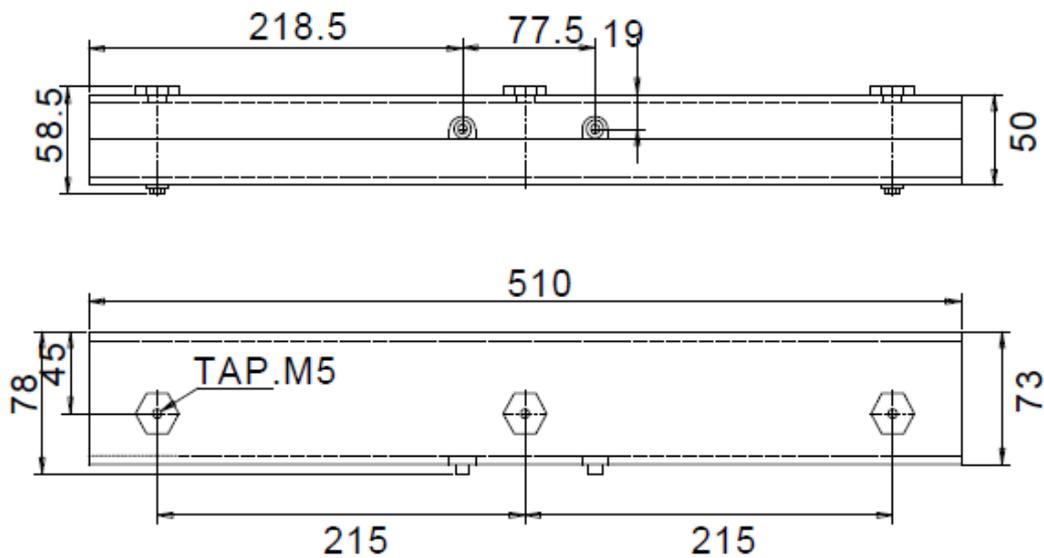
- Light weight, does not contain magnetic materials.
- Can be supplied for all system voltages.
- Solid state, meets Partial Discharge Test requirements.
- Safe, maximum isolation between H.V and L.V through fiber optic conductors.
- Compact, easy to install and operate.
- Small, does not require a separate compartment.

- No need for high-voltage fuses.
- Mounted directly onto the High Voltage bus-bars.
- Can be fitted onto any bus-bar arrangement.
- Maximum distance between the Receiver and the Transmitter 3 Meters.
- Accuracy: +/- 3%, (consult factory for higher accuracy of +/- 1%)
- Voltage Output: 3 x 120VAC
- Power: 0.5VA, (consult factory for higher power).
- For installation over 1000 meters above sea level, de rating may be applicable (consult factory).

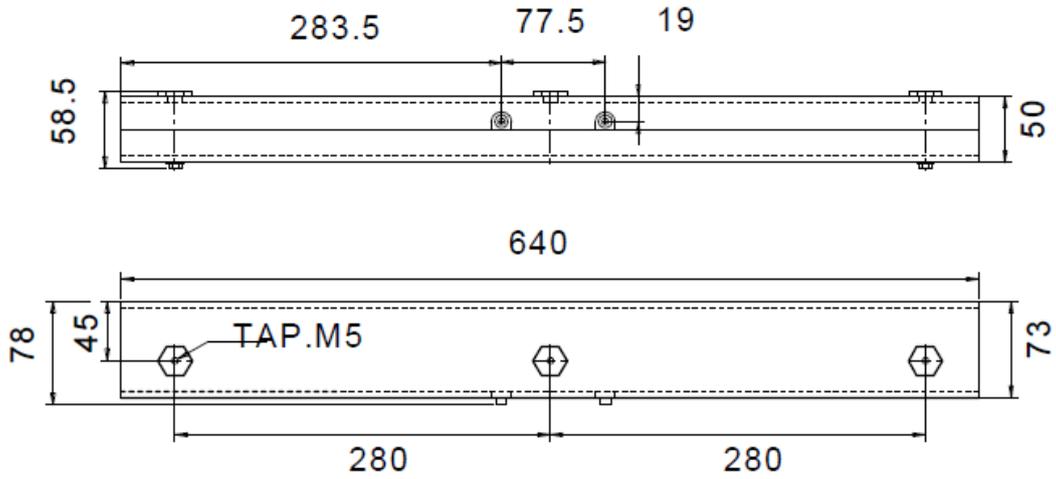
### Dimensions & Weights

Type	General Dimensions (mm)			Weight Kg.
	W	H	D	
EPT Transmitter 3,300V	510	75	60	2.0
EPT Transmitter 6,600V	640	75	60	2.5
EPT Transmitter 13,800V	960	80	70	3.0
EPT Receiver	300	230	100	3.0

### EPT Transmitter for 3.3KV – 4.16KV



**EPT Transmitter for 5.0KV - 7.2KV-13.8KV**



**EPT Transmitter for 11.0KV - 13.8KV**

