

TPH LOOP 80 current transformer have been designed to facilitate their installation in new or already existing electrical networks Thanks to split core they may be installed without opening any cable or bus bar circuit. The connection of the conventional Cts usually requires the interruption of the primary side circuit to pass cables bus bar through the transformer core or to connect such cables to primary terminals.

TPH LOOP 80 current transformer may be easily opened and they may be installed and connected without any supply interruption, thus saving time and installation costs.

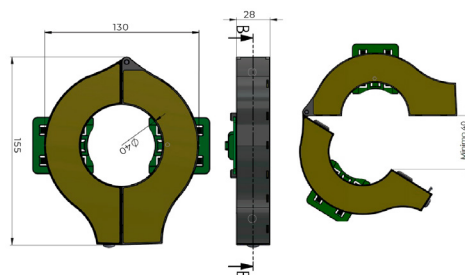
Measurement circuit	Typical output	5A, 1A o 1,5V
	Rated primary current	See models
	Frequency range	50 ... 60 Hz
	Rated short-time thermal current, I _{th}	60 I _n
	Rated dynamic current, I _{th}	2.5 I _{th}
Working conditions	Highest voltage equipment	0,72 kV a.c.
	Rated insulation level	3 kV
	Working temperature	-10°C 60°C
	Relative humidity	95%
	Material Coating	UL94V0
	Degrees of Protection (EN 60529)	IP 40 (with cables inserted) (IP65 optional)
Standards	IEC 61869-2:2012 (IEC 60044-1)	

MODELS



Model	Primary current (A)	Secondary current (A)	VA load / Class			Primary current (A)	Secondary current (A)	VA load / Class			Primary current (A)	Secondary current (A)	VA load / Class		
TP Loop			CL0.5	CL1	CL3			CL0.5	CL1	CL3			CL0.5	CL1	CL3
			(VA)	(VA)	(VA)			(VA)	(VA)	(VA)			(VA)	(VA)	(VA)
	2000	/5	8	15	25	----	/1	----	----	----	----	/250mA	----	----	----
	1500	/5	6	10	20	1500	/1	7	10	20	1500	/250mA	0,1	0,2	0,4
	1250	/5	6	10	20	1250	/1	6	10	20	1250	/250mA	0,1	0,2	0,4
	1000	/5	5	8	16	1000	/1	5	8	16	1000	/250mA	0,1	0,2	0,4
	800	/5	3	7	15	800	/1	5	8	16	800	/250mA	0,1	0,2	0,4
	700	/5	2	4	8	700	/1	5	8	16	700	/250mA	0,1	0,2	0,4
	600	/5	1,5	2	4	600	/1	3	4	8	600	/250mA	0,1	0,2	0,4
	500	/5	1	1,5	3	500	/1	1,5	3	6	500	/250mA	0,1	0,2	0,4
	400	/5	1	1,5	3	400	/1	1	2	4	400	/250mA	0,1	0,2	0,4
	300	/5	----	----	----	300	/1	----	1	2	300	/250mA	----	0,1	0,2
	200	/5	----	----	----	200	/1	----	----	1	200	/250mA	----	----	0,1
	100	/5	----	----	----	100		----	----	1	100		----	----	0,1

Model	Primary current (A)	Secondary current (A)	VA load / Class 0.2s minimum	VA load / Class 0.2s maximum	Primary current (A)	Secondary current (A)	VA load / Class 0.2s minimum	VA load / Class 0.2s maximum	Electrical systems
TPH Loop	----	----	----	----	750	/1	0,3	1	BT ≤ 0,72 kVca Single-phase Three-phase Three-phase with neutral
	800	/5	0,3	3	800	/1	0,3	2	
	1000	/5	0,3	5	1000	/1	0,3	5	
	1200	/5	0,3	6	1200	/1	0,3	6	
	----	----	----	----	1250	/1	0,3	7	
	1500	/5	0,3	7,5	1500	/1	0,3	15	
	2000	/5	0,3	8	----	----	----	----	



Prior to use the TPH LOOP 80 for the first time, read the following carefully:

1. TPH LOOP 80 must be only used by qualified personal.
 2. Do not expose the TPH LOOP 80 to aggressive or explosive environment.
 3. Do not use the TPH LOOP 80 if there any reason to think that its no operating properly or that it is faulty.
 4. For measuring in uninsulated conductor use the appropriate and necessary personal protection equipment.
 5. Once closed manually, place the provided safety flange in the closing area to secure it.
- This ensures that the specified IP rating is reached.

! IMPORTANT !
The magnetic circuit's contact surface is flat with a square cross-section. If you find irregularities on these surfaces, do not install and contact the technical assistance service.

! IMPORTANT !
The secondary circuit must be shorted when installing for safety reasons.

! IMPORTANT !
The device may not give accurate measurements if it is used for purposes other than those specified by the manufacturer.

INSTALLATION

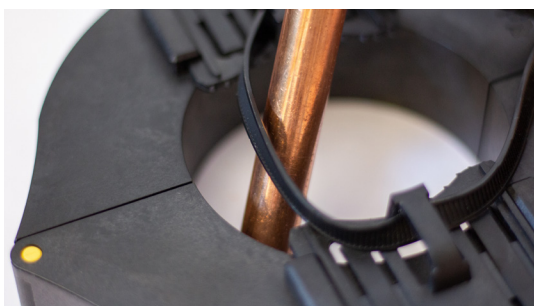
1



Simple installation with instant opening using the push button, avoiding the use of removable parts.



2



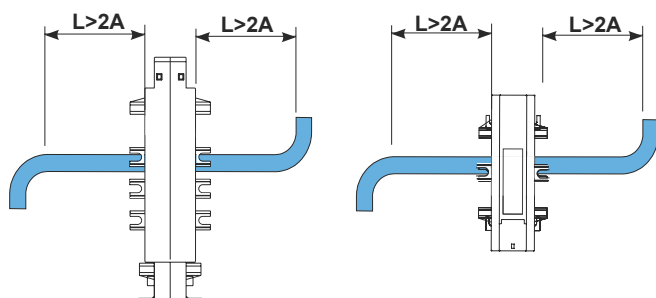
New tie fastening system for an easy, fast and secure installation.

3

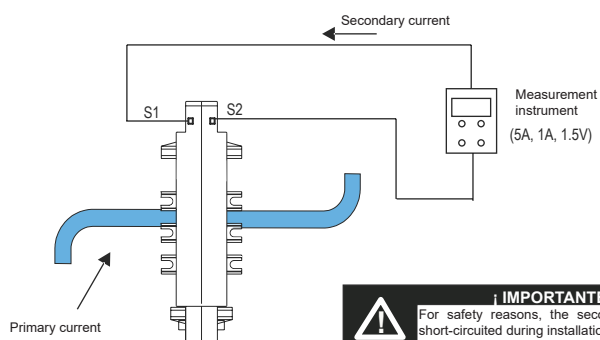


Designed with a circular cross-section to fully adapt to the wiring cross-section, improving the measurement accuracy.

CONNECTION DIAGRAM



It is recommended that the conductors pass straight through the window at the input and output of the instrument transformer and that they maintain a certain distance between the elbows of the connection.



¡ IMPORTANTE !

For safety reasons, the secondary must be short-circuited during installation.