

# TK100 SERIES CURRENT TRANSFORMER

**YTEKE®**

## FEATURES

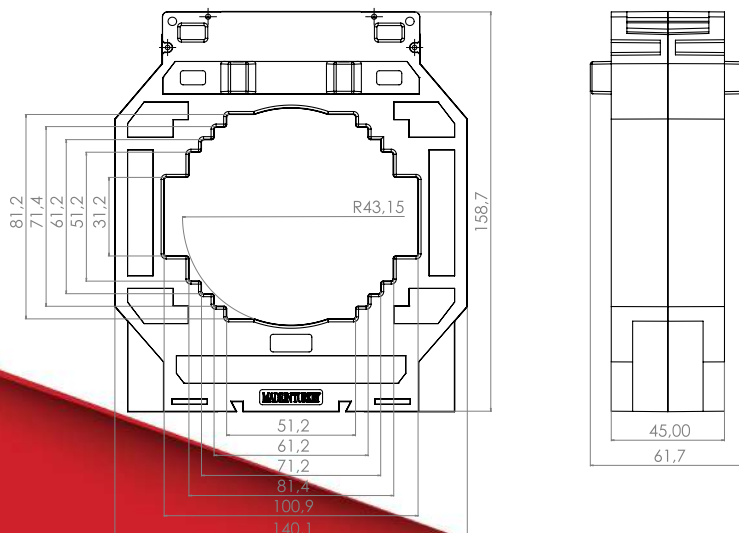
Window-type current transformer with sealable terminal cover, suitable for primary currents from 1000A to 4000A AC; available in 1A or 5A AC secondary current; and accuracy classes Class 0.1, 0.2S, 0.2, 0.5S, 0.5 or Class 1.0.

## TECHNICAL DATA

| PARAMETER                        | VALUE                                                                       |
|----------------------------------|-----------------------------------------------------------------------------|
| Standarts                        | IEC 60044-1, IEC 61869-2, VDE 0414-1, DIN57414, BS3938, BS7626, EN 61869-2  |
| CT Ratio                         | From 1000A to 4000A                                                         |
| Rated Power                      | Up to 40VA                                                                  |
| Accuracy class                   | Class 1, 0.5, 0.5S, 0.2, 0.2S, 0.1                                          |
| Terminal                         | Integral terminal cover, high cross section brass terminal for extra safety |
| Case                             | Non-flammable self-extinguishing ABS/PC                                     |
| Mounting                         | Various mounting options                                                    |
| Ambient temperature (operation)  | -25 C ~ +85 C                                                               |
| Primary conductor                | 100 x 30mm                                                                  |
| Round conductor                  | Ø 85mm                                                                      |
| Number of input                  | 1                                                                           |
| Thermal rated short-time current | $I_{th} = 60 * I_n$ or $I_{th}=60kA$                                        |
| Thermal rated continuous current | $I_d = 1 * I_n$                                                             |
| Rated frequency                  | 50 Hz ... 60 Hz                                                             |
| Surge current limitation factor  | FS 5                                                                        |
| Test voltage                     | 3 kV for 1 min                                                              |
| Max system voltage               | 0.8 kV                                                                      |



## DIMENSION



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| PRODUCT CODES | CLASS  |               | 1           | 0.5 | 0.5S | 0.2 | 0.2S | 0.1 |    |
|---------------|--------|---------------|-------------|-----|------|-----|------|-----|----|
|               | SERIES | CURRENT RATIO | BURDEN (VA) |     |      |     |      |     |    |
|               | TK100  | 1000/5        | 15          | 15  | 5    | -   | 5    | -   | 1- |
|               |        | 1200/5        | 15          | 15  | 10   | 10  | -    | -   |    |
|               |        | 1250/5        | 15          | 15  | 15   | 15  | 5    | -   |    |
|               |        | 1500/5        | 15          | 15  | 15   | 15  | 7.5  | -   |    |
|               |        | 1600/5        | 30          | 30  | 25   | 15  | 7.5  | -   |    |
|               |        | 2000/5        | 30          | 30  | 30   | 30  | 30   | 30  |    |
|               |        | 2500/5        | 30          | 30  | 30   | 30  | 30   | 30  |    |
|               |        | 3000/5        | 30          | 30  | 30   | 30  | 30   | 30  |    |
| 3200/5        | 30     | 30            | 30          | 30  | 30   | 30  |      |     |    |
| 4000/5        | 30     | 30            | 30          | 30  | 30   | 30  |      |     |    |