

# High Current Test Devices



## TDH P | TDH B Series

TDH P-2K | TDH P-5K | TDH P-7K | TDH P-10K  
TDH B-250 | TDH B-630 | TDH B-1K2

# High Current Test Devices

## TDH P & TDH B Series

### Primary Current Injection Testers

#### TDH P Series

Primary Current Injection Testers is used for temperature rise test, current carrying capacity of switchgears, performance tests of industrial electrical devices and many applications that require high current of distribution systems such as LV and HV busbars, LV and HV switchgears, circuit breakers, load breakers, disconnecter switches, etc.

Although no semiconductor system is used thanks to its **Special Design**, the test current can be adjusted completely constant and the rated current with a sensitivity of maximum 1 A at all current levels during to the test period.

Also, thanks to the **Special Design**, the output voltage and current can be configured as 6 V 10 kA, 12 V 5 kA, 24 V 2.5 kA. Thus, the test of many products can be carried out independently of their impedances with Aktif Primary Current Injection Tester.

#### Application Areas

- LV and HV Busbar Manufacturers
- LV and HV Switchgear Manufacturers
- Switching Component Manufacturers such as CB, LB, DS, etc.
- Independent Accredited Laboratories

#### Standards

- IEC 61439-1
- IEC 60664-1
- IEC 60529



#### Advantages

- Thanks to connection of outputs in serial and/or parallel, output current and output voltage can be configured (6 V 10 kA or 12 V 5 kA or 24 V 2,5 kA)
- Thanks to its **Special Design**, it is not affected by network fluctuations.
- Selectable 50 /60 Hz test frequency.
- Thanks to its **Special Design**, very small sensitivities 1 A at 10 kA and constant test current.
- Automatic and user-friendly control with HMI screen.
- High user safety with over current and over temperature protection.

Nominal Input Voltage	3x400 V Phase-Phase			
Nominal Frequency	50 - 60 Hz			
Nominal Output Voltage	3x(1x6) V Phase-Neutral			
Auxiliary Supply Voltage	1x230 V (Internal)			
Product Code	TDH P-2K5-3P06V	TDH P-5K0-3P06V	TDH P-7K5-3P06V	TDH P-10K-3P06V
Nominal Output Current	2.5 kA	5 kA	7.5 kA	10 kA
Output Stages	1x2.5 kA	2x2.5 kA	3x2.5 kA	4x2.5 kA
Current Sensitivity	1 A			
Duty Cycle	Continuous			
Insulation Level	3 kV / 1 min			
Cooling System	Forced with Fan			
Protection Class	IP20 Power Department / IP54 Control Department			
Colour	RAL 7015 / RAL 9003			
Dimension (WxDxH)	1825x1250x1800 mm	1850x1250x2000 mm	1600x2300x2000 mm	1600x2300x2150 mm

## Branch Current Balancing Devices TDH B Series

Branch Current Balancing Tester is used for adjusting the rated branch currents of the functional units of busbars and switchgear very quickly and easily during the loading tests such as temperature rise test, current carrying capacity of switchgears.

During the load test, it is checked whether the functional units can withstand the rated branch currents, while checking whether the main unit withstands the rated current. Since the impedance at the functional outputs is very low, it is very difficult and takes a long time to adjust the branch currents.

Thanks to Aktif's **Special Design**, you can save your time and money by adjusting the branch current in a few seconds for all its functional outputs.



### Applications Areas

- LV and HV Busbar Manufacturers
- LV and HV Switchgear Manufacturers
- Independent Accredited Laboratories

### Standards

- IEC 61439-1
- IEC 60664-1
- IEC 60529

Nominal Input Voltage	50 - 60 Hz		
Nominal Frequency	1x230 V 50 - 60 Hz		
Auxiliary Supply Voltage	1x230 V 50 - 60 Hz		
Product Code	TDH B-250	TDH B-630	TDH B-1K2
Rated Current	250 A	630 A	1.25 kA
Current Sensitivity	1 A		
Duty Cycle	Continuous		
Insulation Level	3 kV / 1 min		
Cooling System	Forced with Fan		
Protection Class	IP20		
Colour	RAL 7015 / RAL 9003		
Dimension (WxDxH)	800x600x1040 mm		



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