

TD1020 Current Coil



1. Summary

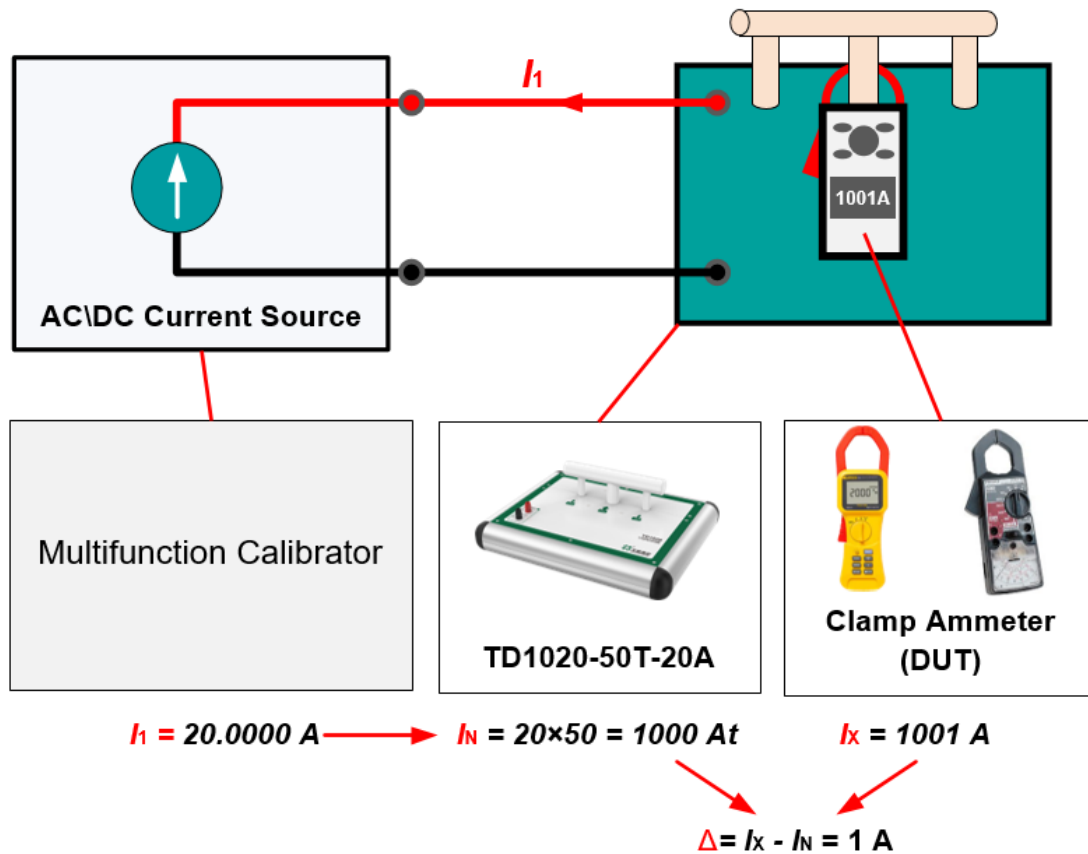
TD1020 is a series of current coils, adopting the principle of equivalent ampere turns. It is applied for calibrating clamp Ammeters combined with AC\DC current source.

2. Features

- Equivalent current output: 1000 A / 2000 A
- Max current input: 22 A_{rms} / 44 A_{rms}
- Coil ampere-turn specification: 50 turns/100 turns
- DC accuracy: 0.3%
- AC accuracy: 0.3%@50Hz, 0.5%@400Hz
- Frequency: DC, 45 Hz ~ 400 Hz

3. Application

☆ Calibrate clamp ammeter

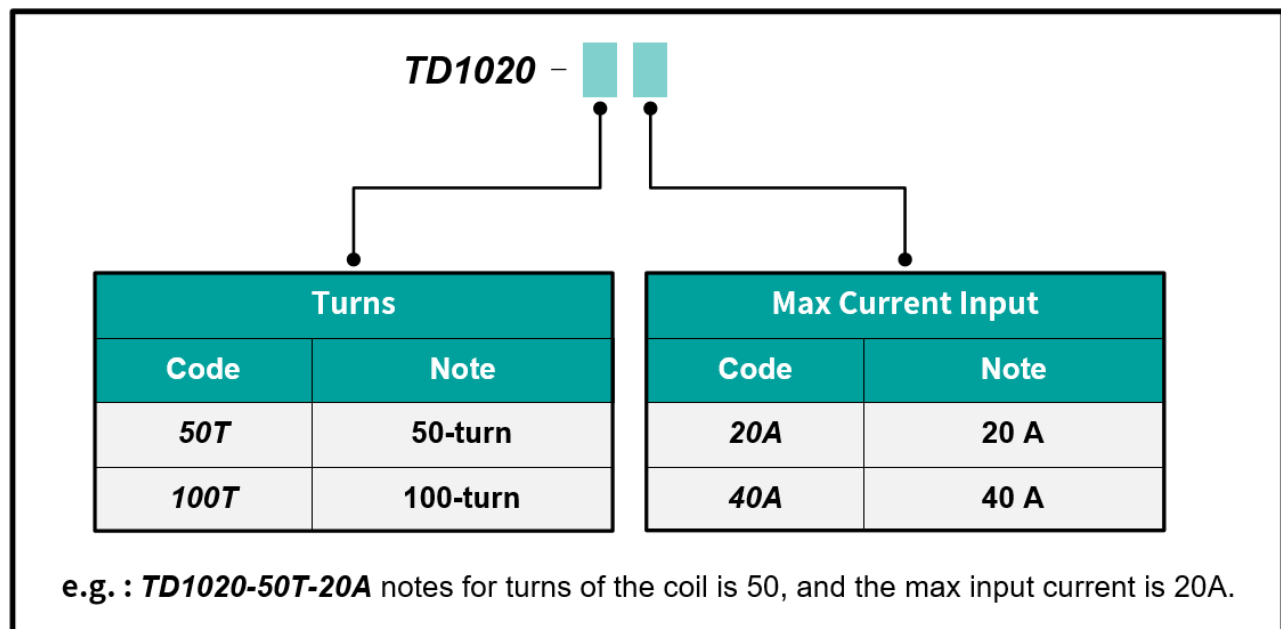


- TD1020 can be used with AC and DC standard sources to achieve equivalent current output of up to 1000 At / 2000 At.
- Used to calibrate clamp ammeters with lower accuracy of class 1 and below.

4. Technical Parameters

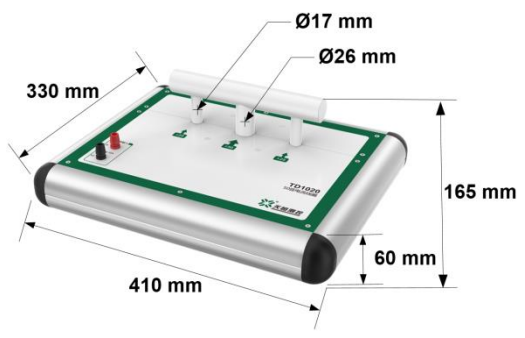
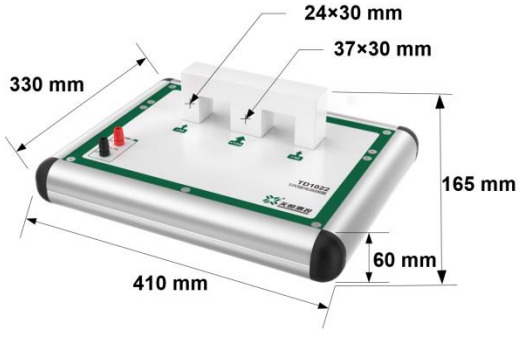
Model		TD1020-50T-20A	TD1020-50T-40A	TD1020-100T-20A
Turns	Middle	50	50	100
	Side	25	25	50
Max current input		22 A _{rms}	44 A _{rms}	22 A _{rms}
Continuous output time		<11 A, continuous; >11 A, ≤ 30minutes.	<22 A, continuous; >22 A, ≤ 30minutes.	< 11 A, continuous; > 11 A, ≤ 30minutes.
Frequency		DC, 45 Hz ~ 400 Hz	DC, 45 Hz ~ 400 Hz	DC, 45 Hz ~ 65 Hz
Accuracy		DC: ±0.3% AC: ±0.3% @ 50 Hz, ±0.5% @ 400 Hz Note: During calibration, the jaws of the clamp meter should be placed at the center of the TD1020 current column, otherwise additional measurement errors will occur.		

5. Ordering Information



6. General Technical Specifications

Power Supply	—
Temperature	Operation Temperature: 13°C ~ 33°C; Storage Temperature: -30°C ~ 70°C
Humidity	Operation Humidity: 30%R·H ~ 80%R·H, No condensation Storage Humidity: 10%R·H ~ 90%R·H, No condensation
Altitude	< 3000 m

Model	Dimension(mm) (W * D * H)	Weight (kg)	Dimension Diagram
TD1020-50T-20A	410 × 330 × 165	15	
TD1020-50T-40A	410 × 330 × 165	20	
TD1020-100T-20A	410 × 330 × 135	20	