

# ACTAS BTT2.0 ■ SPECIFICATIONS



<b>General description</b>	Measuring device for testing operating times of low-, medium- and high-voltage switchgear devices, relay contacts, contactors and switch disconnectors.		
<b>Field of application</b>	Determination of: <ul style="list-style-type: none"> <li>• Operating times</li> <li>• Synchronism of contact opening operations / contact closing operations</li> <li>• Coil currents</li> </ul>		
<b>Implemented operating modes</b>	<ul style="list-style-type: none"> <li>• O, C</li> <li>• CO</li> <li>• External triggering via an auxiliary contact input</li> </ul>		
<b>Control outputs</b>	Electronic switching outputs (IGBT) for single-phase control of the closing and opening coils. All operating sequences can be configured and output in increments of 50 ms.		
<b>IGBTs for controlling the release coils</b>		Voltage	300 VAC/DC
		Current	20 A
		Accuracy	< 0.1 ms
<b>Voltage detector control outputs</b>		12...300 V AC/DC	
<b>Measurement inputs</b>	<b>General</b>	Recording duration	1000...5000 ms
<b>Binary inputs</b>		Main contacts	3
		Auxiliary inputs	1
		Resolution	0.1 ms
		Accuracy	< 0.1 ms
<b>Coil current</b>		Measuring range	20 A
		Resolution	10 mA
		Accuracy	0.5 % of range
<b>Interfaces</b>	<b>Connection sockets</b>	1 x control outputs coils	Cable sets with 4 mm safety plugs for connection to the switchgear device
		1 x binary inputs main contacts/AUX	
<b>User interfaces</b>		Control panel with graphical display, one-handed operation, separate key for each test mode.	
<b>Communication</b>		Bluetooth/Android/IOS	
<b>Power supply</b>	<b>Wide range input</b>	9 – 30 V	
<b>External power supply unit</b>		24 V / 0.5 ADC; 15 W (Power supply units from 9-30 VDC can be used)	
<b>Integrated batteries</b>		Microprocessor-controlled monitoring Battery life for up to 18 hours	
<b>Housing</b>	<b>Dimensions</b>	100 x 230 x 35 mm (W x H x D)	
<b>Weight measuring device</b>		0.3 kg	
<b>Protection class</b>		IP51	

<b>Operating conditions</b>	<b>Ambient temperature</b>	-5...50°C
	<b>Relative humidity</b>	5...95% (non-condensing)
	<b>CE conformity</b>	<p>EN 61010-1: 2020-03            Safety requirements for electrical equipment for measurement, control, and laboratory use</p> <p>EN 61326-1: 2022-11            Electrical equipment for measurement, control and laboratory use - EMC requirements</p> <p>2014/35/EU Low Voltage Directive</p> <p>2014/30/EU EMC Directive</p>