

ACTAS BTT2.0 ■ SPECIFICATIONS



General description	Measuring device for testing operating times of low-, medium- and high-voltage switchgear devices, relay contacts, contactors and switch disconnectors.			
Field of application	Determination of: <ul style="list-style-type: none">• Operating times• Synchronism of contact opening operations / contact closing operations• Coil currents			
Implemented operating modes	<ul style="list-style-type: none">• O, C• CO• External triggering via an auxiliary contact input			
Control outputs	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.			
	IGBTs for controlling the release coils	Voltage	300 VAC/DC	Outputs protected against overvoltage, overload and overheating, galvanically isolated 2.5 kV
		Current	20 A	
		Accuracy	< 0.1 ms	
	Voltage detector control outputs	12...300 V AC/DC		
Measurement inputs	General	Recording duration	1000...5000 ms	
	Binary inputs	Main contacts	3	Inputs protected against overvoltage, overload and overheating, galvanically isolated 2.5 kV
		Auxiliary inputs	1	
		Resolution	0.1 ms	
		Accuracy	< 0.1 ms	
	Coil current	Measuring range	20 A	
		Resolution	10 mA	
		Accuracy	0.5 % of range	
Interfaces	Connection sockets	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		
	User interfaces	Control panel with graphical display, one-handed operation, separate key for each test mode.		
	Communication	Bluetooth/Android/IOS		
Power supply	Wide range input	9 – 30 V		
	External power supply unit	24 V / 0.5 ADC; 15 W (Power supply units from 9-30 VDC can be used)		
	Integrated batteries	Microprocessor-controlled monitoring Battery life for up to 18 hours		
Housing	Dimensions	100 x 230 x 35 mm (W x H x D)		
	Weight measuring device	0.3 kg		
	Protection class	IP51		

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