

ACTAS BTT_{2.0} ■ 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 Current 20 A Accuracy < 0.1 ms	Outputs protected against overvoltage, overload and overheating, galvanically isolated 2.5 kV
	Voltage detector control outputs	12...300 V AC/DC	
Measurement inputs	General	Recording duration	50...5000 ms
	Binary inputs	Main contacts 3 Auxiliary inputs 1 Resolution 0.1 ms Accuracy < 0.1 ms	Inputs protected against overvoltage, overload and overheating, galvanically isolated 2.5 kV
	Coil current	Measuring range 20 A Resolution 10 mA Accuracy 0.05 % of range	
Interfaces	Connection sockets	1 x control outputs coils 1 x binary inputs main contacts/AUX	Cable sets with 4 mm safety plugs for connection to the switchgear device
	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: 2022-2-2 Electrical equipment for measurement, control and laboratory use - EMC requirements 2014/35/EU Low Voltage Directive 2014/30/EU EMC Directive