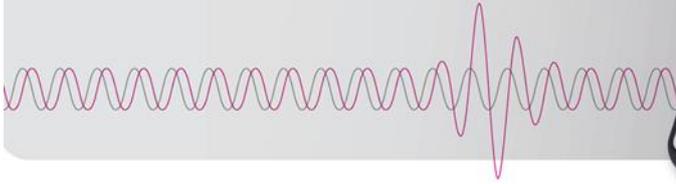


ACTAS P260+ | P360+ ■

SPECIFICATIONS



System concept High-precision, portable stand-alone test systems for function tests on various types of switchgear device, including circuit breakers, disconnectors or earthing switches, regardless of the type of drive unit. Determination of operating times with earthing on both sides. Three-phase dynamic resistance measurement on up to six main contact chambers per pole in combination with PROMET ohm meters. Control panel with 7" touch screen and two function keys. Inputs and outputs via 4 mm safety sockets and push-pull sockets located on the front panel. The system also features an internal memory with a storage capacity of 4 GB.

Control outputs Electronic switching outputs (IGBT) for single or three-phase control of the closing and opening coils. All operating sequences can be configured and output in increments of 1 ms.

IGBTs for controlling the release coils	Voltage	300 VAC/DC	Intrinsically safe via short-circuit and overload protection
	Current	100 A peak	
Time resolution	0.1 ms		
Accuracy	±0.033 ms		
Power supply to external sensors	Reference voltage for analog sensors	10 VDC	
	Supply voltage for incremental sensors	10 VDC	
Measurement inputs	General	Recording duration	Max. 13.33 min at 500 Hz, Max. 8 s at 50 kHz
		Time resolution	0.02 ms
		Time accuracy	±0.005 ms
		A/D-conversion	16 bit
		Accuracy	0.05% of range
	Analog inputs	Oversampling	200 kHz per measurement channel
		Sampling rates	500 Hz...30 kHz, adjustable
		Measuring range close/open coil current	15/100 A, internally switchable
		Coil/station voltage	300 V AC/DC, internally switchable
		Motor voltage	500 V AC/DC, internally switchable
		Motor current	100 A peak
		Measuring range motor	15/100 A AC/DC, internally switchable
		Sensor inputs	±20 mA (Imp. 200 Ohm/0.25 W) ±10 VDC
	Protection	P260: 1 x galvanic isolation 2.5 kV, all the inputs are isolated against earth P360: 3 x galvanic isolation 2.5 kV, all the inputs are isolated against earth	
Binary inputs	Sampling rate	50 kHz Activation range 24...300 VDC	
	Auxiliary contacts	Wet/dry switching	
Incremental inputs for digital travel transducers	Supply voltage	10 VDC	
	Limit frequency	200 kHz	

Complete system Operation, system control, data storage and evaluation by means of the built-in control panel equipped with a high-resolution, resistive 7" touch screen and two function keys as well as via a standard external Windows PC or by remote control via tablet or smartphone

User interface ACTAS system software for the parameterization, execution and evaluation of switchgear tests under Windows 7/8.1/10/11

Power supply Rated voltage 110...265 VAC/DC

Measurement connections On the front panel via 4 mm safety sockets and via push-pull sockets

PC interfaces 1 x RJ45 Ethernet
1 x USB A/B each

KoCoS interfaces 4 x control of external devices (PROMET and power sources)

Environment Operating temperature -10...50°C
Storage temperature -30...70°C
Relative humidity 5...95% non-condensing
Protection IP65 (closed)

CE conformity EN 61010-1: 2011

Safety requirements for electrical equipment for measurement, control, and laboratory use

EN 61326-1: 2013

Electrical equipment for measurement, control and laboratory use - EMC requirements

Product specifications

		ACTAS P260+	ACTAS P360+
Control outputs	Closing coils	1	3
	Opening coils	2	3
	Relay outputs	1	2
Analog measurement inputs	Coil current	1 x 2 (I/O)+ 1 x 0	3 x 2 (I/O)
	Coil/station voltage	1	2
	Motor current via shunt	1	1
	Motor voltage	-	1
	Sensor (+/-10 V/digital)	3	6
	Sensor (+/-10 V/0...20 mA)	1	3
	Main and PIR contacts	3 x 2	6 x 2
Binary measurement inputs	Auxiliary contacts	2 x 4	3 x 4
Reference voltage for external sensors		1 x 10 VDC / 250 mA	3 x 10 VDC / 250 mA
Connections additional equipment	PC	1	1
	Ohm meter	3	3
	CSW 3	1	1
	Digital voltage source	1	1
Housing	Hard-top case		
	Dimensions (W x H x D) mm	425 x 340 x 170	475 x 375 x 180
	Weight	5.3 kg	6.9 kg