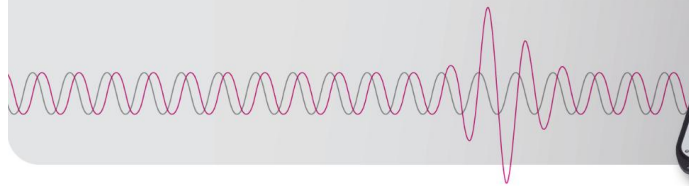


# ACTAS P260+ | P360+ SPECIFICATIONS



**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.

	<b>IGBTs for controlling the release coils</b>	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			
	<b>Power supply to external sensors</b>	Reference voltage for analog sensors	10 VDC	
		Supply voltage for incremental sensors	10 VDC	
<b>Measurement inputs</b>	<b>General</b>	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	
	<b>Analog inputs</b>	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			
<b>Binary inputs</b>	Sampling rate	50 kHz Activation range 24...300 VDC		
	Auxiliary contacts	Wet/dry switching		
<b>Incremental inputs for digital travel transducers</b>	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+
	<b>Control outputs</b>	Closing coils	1	3
	Opening coils	2	3	
	Relay outputs	1	2	
<b>Analog measurement inputs</b>	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	
<b>Binary measurement inputs</b>	Auxiliary contacts	2 x 4	3 x 4	
<b>Reference voltage for external sensors</b>		1 x 10 VDC / 250 mA	3 x 10 VDC / 250 mA	
<b>Connections additional equipment</b>	PC	1	1	
	Ohm meter	3	3	
	CSW 3	1	1	
	Digital voltage source	1	1	
<b>Housing</b>	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	