

Technical specifications

General		
Number of wires in cable	Cables with up to 5 wires with and without shield	* customizable
Test voltage	1 ... 4 kV (for supply voltage 230/400 V)	* customizable
Cable length	0,1 ... 15 km	* customizable
Cable active resistance range	0 ... 20 k Ω	* customizable
Localization	Short circuit and wire break	
Voltage source		
Output Power	15 000 VA	* customizable
Frequency	50 Hz	
Input voltage	400 V	* customizable
Input current	0 ... 2 A	* customizable
Output voltage	0 ... 4000 V	* customizable
Output current	0 ... 3,75 A	* customizable
Input protection	Overvoltage protection	
Output protection	Short circuit protection	
Measurement equipment		
Active resistance measurement	0 ... 20 k Ω / uncertainty \pm 0,25 % (temp. compensated)	* customizable
Voltage measurement	0 ... 4 kV / uncertainty \pm 1,12 %	* customizable
Current measurement	0 ... 5 A / uncertainty \pm 1 %	* customizable
WAGO PFC200 PLC		
Processor	ARM A8	
Inputs	48 digital inputs (24 V), 2 analog inputs 12 bit (RTD), 2 PQA	
Outputs	48 digital outputs (24 V / 0,5 A)	
Communication	RS485 (Modbus-RTU), Ethernet (Modbus-TCP), OPC UA	
Industrial touch panel computer		
Display	Industrial 15" XGA TFT LCD with 50K Lifetime LED Backlight	
Protection	IP65 Approved Front Protection & Panel Mounting	
Sensor	Durable 5-wire Resistive Touch Screen	
Power supply and mechanical data		
Weight	570 kg	
Safety fence weight	120 kg	
Dimensions	217,5 x 61,5 x 180,0 cm (w x d x h)	
Safety fence dimensions	270 x 250 x 200 cm (w x d x h)	* customizable
Power supply	230/400 VAC, 50 Hz, 10 000 VA	
Environmental conditions		
Degree of protection	IP 51H	
Working temperature	10 ... + 50 °C	
Storage temperature	0 ... + 70 °C	
Relative humidity	10 ... 90 % without condensation	
Software		
OS	Siviko OS, Linux	
PC software	Web based	* option
Industry 4.0	Enabled	