

Maxxis 5 Process Controller with PHASE Application



- Process Controller for the automated control of weighing processes with up to four scales
- Wide range of opportunities for flexible integration such as option cards, housings and EX approvals
- DAT, multilingual easy-operation interface, backup function, service reports, simulation
- PHASE application for manual and automatic batch processes in combination with recipe management systems such as ProBatch+
- With an additional license: internal alibi memory, tilt correction
- Supplied with Ethernet TCP/IP, Modbus TCP, RS-232, RS-485, USB, SD card, 4 digital I/O





The Maxxis 5 from Sartorius Intec combines accuracy, connectivity, and functionality to provide a process controller unlike any other. Specifically designed to solve many of the problems faced by today's manufacturers, the Maxxis 5 easily takes control of all modern automation processes.

As a multiple use device, the Maxxis 5 is pre-programmed to control a diverse range of complex applications. Sartorius' expert team of software engineers, in conjunction with industry specialists, have created software solutions that allow the unit to seamlessly integrate into any process. However, users who require it can utilize the easy-to-use IEC61131 programming language to implement their own unique functionalities.

Equipped with an internal web server, the Maxxis 5 can be controlled via any standard web browser or a remote display with VNC capabilities. Additionally, a wide range of interface options, USB connections, and an Ethernet port ensure the Maxxis 5 is able to connect with any existing infrastructure. To suit the diverse requirements of industry applications, the process controller is available in any of three different

constructions allowing panel mounting, direct-at-machine front-end integration or use as a table-top unit.

The Maxxis 5 is equipped with all the features users have come to expect from process technology. Automatic backups save data to SD cards providing full transparency and traceability, whilst specifically tailored reports and service reports track overload and user changes and deliver this data direct to users.

To make sure that even novice users can control complicated applications with ease, an integrated help function is installed on the Maxxis 5.

The harsh environments process controllers are expected to operate in demands a robust design.

The Maxxis 5 is constructed from high quality stainless steel and utilizes a wide surface area and bright backlit display to ensure inputting and readout accuracies in the toughest conditions.

The Maxxis 5 with PHASE application is specifically designed for manual and automatic batch processes in combination with a recipe management system such as ProBatch+. The PHASE application is used to conduct batching applications using several scales controlled via PR8400 ProBatch+ recipe control. Batching orders can either be fully automated or manually processed by the Maxxis 5. In manual batch processes, the Maxxis 5 acts as the interface between the process and the operator.

Production plans, recipes and materials/components are created and managed in the recipe management system. In addition to batching components, signals for process control, such as digital and analog I/O signals, can be configured as material types. For visualization purposes, there is one configurable scale view for one or two scales. The batching weights are displayed as a bar graph including the prescribed tolerance ranges. Materials for manual batching can be checked with confidence using barcodes or by entry on the control panel. The simulation function is used to check recipes before production.





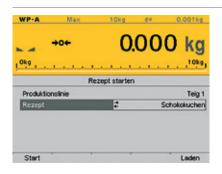
Recipe management runs on a PC with the ProBatch+ program. The Maxxis 5 is connected to the PC via Ethernet. Recipe control runs on the ProBatch+ batch server, which can communicate with several devices via the OPC server. When batching starts, the recipe remains in the PC. Only the data from the active batching phase is downloaded to the device and started up. The device runs through the batching phase independently.

ProBatch+ and the Maxxis 5 visualize the current status. The Maxxis 5 controls the container valve(s) (coarse and fine valves) independently. An external PLC that processes these output signals further does not have to be used.



Start via Production Plan

Production plans from the ProBatch+ recipe management system can be loaded, displayed and started on the Maxxis 5. An overview lists the orders for a production plan by order ID and recipe name. If desired, all orders for a production plan can be processed fully automatically or an order can be individually selected and started from the list. A production plan or recipe can be processed on each production line in parallel and independently from each other.



Recipe Start at the Terminal

Recipes can also be started directly on the Maxxis 5. All existing recipe names are downloaded from ProBatch+ for this function. The desired recipe is started after the target value is input. Additional optional parameters such as the number of recipe cycles and order information such as the order ID, production number, or customer name can be entered as well. The recipe start command is sent to ProBatch+ and executed there. The individual recipe lines are run on the terminal.



Manual Batching

During manual batching, the color display of the Maxxis 5 is a useful indicator of the batching status with color-coded bar graphs. The tolerance limits are displayed numerically with the aid of the colors green and red for visual confirmation, while a material ID is used to ensure the material used is the correct one. The raw material batch is logged in ProBatch+ to ensure traceability. The amount to be dispensed can be divided across several batches of raw materials. Corresponding process labels can then be printed out.



Automatic Batching

The Maxxis 5 also enables automatic processes to be controlled. Recipe lines (phases) sent to the terminal from a recipe management system are automatically produced. Standard batching functions guarantee a repeatable, accurate result. Control functions enable control of the sequences, such as the time function in order to control a mixer, for example, or the "Wait for input" function to continue the process. Different displays provide a complete overview of all scales and process steps.



S88.01 - Phase Interface

The Maxxis 5 has an open interface in line with batch standard S88.01 for connecting to recipe management systems such as ProBatch+. It supports the S88 phase logic interface, which allows for communication between recipe management systems and the controls. Different automation concepts can be implemented as a result: first, direct connection to a PC via Ethernet TCP/IP with OPC; second, connection to a PLC via field buses such as Profibus and DeviceNet; or third, PC connection via Ethernet with simultaneous I/O control via field buses.



User Management

Users can protect all their data and configurations from unauthorized changes by assigning user rights (with user name and PIN) to different users and user groups. This ensures peace of mind, and guarantees that your data is optimally protected.

Connection with Established Standards

OPC communication between ProBatch+ and the Maxxis 5 meets the requirements of the ANSI/ISO S88.01 Batch Control standards. Dynamic data is delivered via DDE and OPC to connect visualization systems. SQL and ODBC database interfaces are used for the transmission of production data to an ERP system.

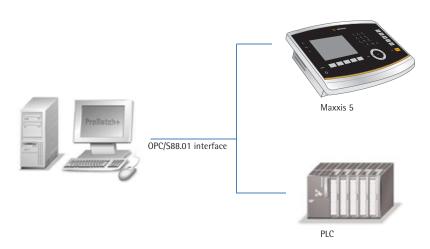
This consistent use of established standards simplifies connection and saves time and money when it comes to commissioning the systems.



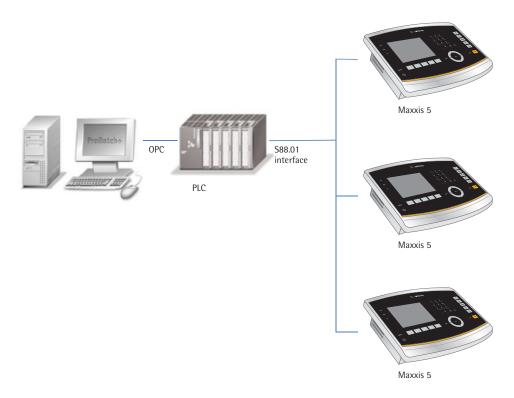
Direct connection – serial or via Ethernet: Recipe steps are pre-programmed functions of the Maxxis 5 process controller.

Script Function

The script language integrated in ProBatch+ can be used for easy and flexible incorporation of customer-specific process requirements. The script functions make it possible to implement quick process adjustments without time-consuming programming in the PLC.



Recipe steps can be run directly via PLC.



Indirect connection via PLC: PLC functions can be easily synchronized with the controller's pre-programmed batching functions.

Technical Data

Housing

For Panel Mounting IP protection class: IP20 Front panel: IP65 Material: stainless steel RoHS conform

Other possible housings:

- Stainless steel complete IP65
- Bracket housing IP 65
- Blackbox housing IP20
- For more detailed information please consult the order list

Dimensions

 $350\times280\times94$ mm Depth including screen clamping rail

Display and Status

TFT graphical color display 5.7" with 320×240 pixels, graphic Weight display: 7-digits, up to 3 cm Available weight units are t, kg, g, mg, lb and oz.

1 Status LED to signal shut-down procedure

Keys

37 keys, key pad foil

Languages | Character sets

ASCII, Latin 1
Latin Ext A
cyrillic
hiragana
katakana
CJK (simplified Chinese only)

Standard Interfaces

RS232 RS485/422 Ethernet TCP | IP, Modbus TCP USB 4 Digital I/Os SD Card Slot

Options

2 Analog | Digital Weighing Points
2 Option Slots
1 Fieldbus Slot
For more detailed information please consult the order list

Digital Scales

Connection of digital SBI | XBPI Platforms are possible.
(Power supply of one platform)
Connection to digital Pendeo Load cells is possible
(power supply needed)
For other connectable scales please check manual

Load cell connection

All strain gauge load cells; 6- or 4-wire connection

Load cell supply

12V, short-circuit proof. External load cell supply possible.

Minimum load impedance

min. 75 Ohm e.g. 6 load cells with 650 Ohm or 4 load cells with 350 Ohm

Measuring principle

Measuring amplifier: Delta-Sigma converter Measuring time: min 5 ms – max. 1600 ms

Digital filter for load cell

4th order (low pass), Bessel, Aperiodic or Butterworth

ATEX Zone 2/22 approved (Option)

Zone 2, IIC T4 / Zone 22, IIIC T80°C Ta: -10°C ... +40°C

Approved for FM/CSA Class I Div.2 (Option)

NI / I / 2 / ABCD / T4 Ta = -10°C to +40°C - 2015571; NIFW ANI / I, II, III / 2 / ABCD / T4 Ta = -10°C to +40°C - 2015571; NIFW

A D Converter Input range

4,8 nV (appr. 7.5 Mio. div.) Usable resolution: $0.2 \mu V/d$ Measuring signal: 0 to 36mV (for 100% nominal load)

Linearity

< 0,003%

Control outputs

4 relay two way contact Max. switching voltage 31 V DC | 24 V AC Max. switching current: 1 A

Control Inputs

Quantity: 4 opto-decoupled inputs Can be used as 'passive' or 'active'

Voltage

Input (active): Can be switched via a potential-free contact Input (passive):

Logic 0: 0 to 5 V DC or
 open Logic 1: 10 to 28 V DC
 External power supply required

Current: <7 mA @ 24 V <3 mA @ 12 V

Power Supply

100 – 240 VAC, (+10/-15%), 50 - 60 Hz max. 21 W/44 VA Optional: 24 VDC, (+/-10%), max 20 W

Temperature effects

Zero: TK0 m < 0.05 μ V/K RTI Span: TKspan < +/- 4 ppm/K

Environmental conditions Temperature

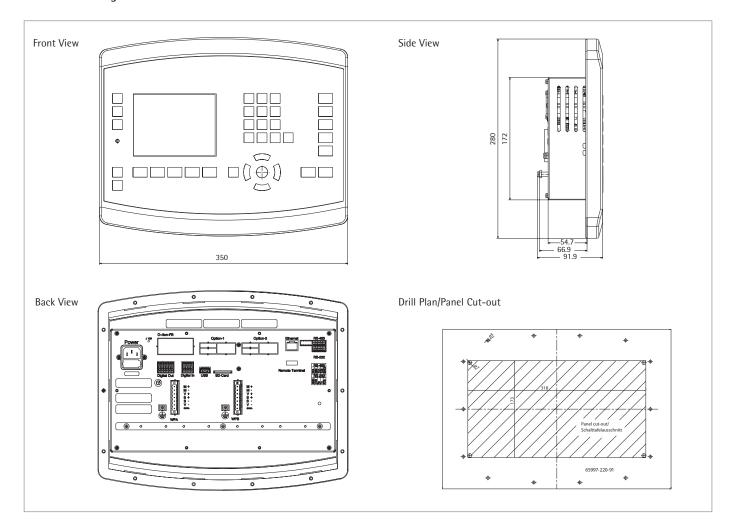
W&M: $-10 \,^{\circ}\text{C}$ to $+40 \,^{\circ}\text{C}$ Operation: $-10 \,^{\circ}\text{C}$ to $+50 \,^{\circ}\text{C}$ Storage: $-20 \,^{\circ}\text{C}$ to $+70 \,^{\circ}\text{C}$

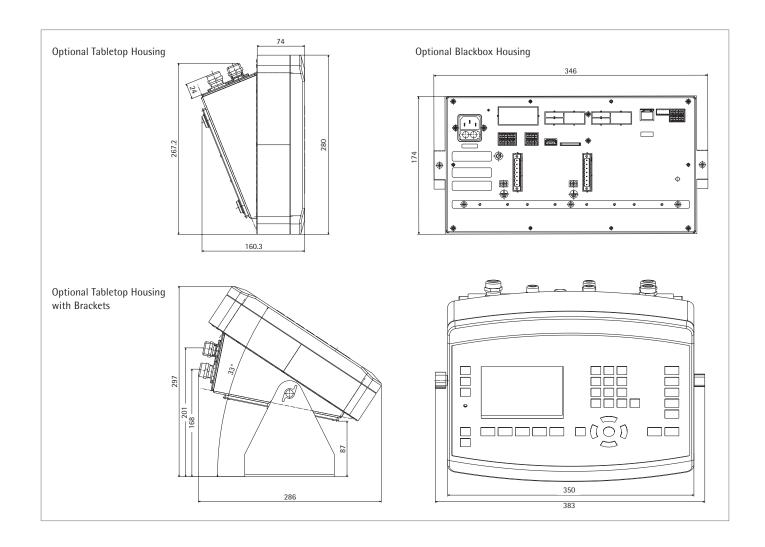
Weight

Net: 3 kg

Shipping weight: approx. 4 kg

Technical Drawings





N.	layyis	5	Process	Control	ler

<u>E9</u>

Maxxis S Process controller, including Ethernet (TCPIIP and Modbus TCP 1x RS-2372 and 1x 485/14x 50 Lx 105R 1x 50 Care). 4 x digital input (active or passive optional) and 4 digital outputs as relay. 4940 159 00000 Park 1x RS-2372 and 1x 485/14x 50 Lx 105R 1x 50 Care Park 1x RS-2372 and 1x 485/14x 1x 105R 1	Туре	Description	Order Number
Meighing Point All Deconverter Color Wil /W2 A/D converter with intrinsically safe load cell supply 0/0 X3/X4 Disconnectable load cell connection 0/0 Built-in Inputs DE1 Digital inputs – relays, passive Standard DE2 Digital inputs – relays, active Standard DE3 Maxxis 5 with panel housing Standard 62 Maxxis 5 in tabletop housing Standard 62 Maxxis 5 in tabletop housing with U-bracket (turned front)	Maxxis 5	$1 \times$ RS-232 and $1 \times$ 485/422, $1 \times$ USB, $1 \times$ SD card,	9405 159 00000
Weighing Point Will (M2) A/D converter 0/0 Wil (M2) A/D converter with intrinsically safe load cell supply 0/0 X3/X4 Disconnectable load cell connection 0/0 Built-in Inputs Built-in Inputs Built-in Inputs Built inputs – relays, passive Standard Built inputs – relays, passive Standard Built in Inputs Housing Built in Inputs Housing built inputs – relays, passive Built in Inputs Housing built inputs – relays, passive Built in Inputs Housing built inputs – relays, passive Built in Inputs Built in Inputs Housing built inputs – relays, passive Built in Inputs Housing built inputs – relays, passive Built inputs – relays, passive Built in Inputs Housing built inputs – relays, passive Built passive in Manais Augustion in Manais Augustion i	Options for Maxxis	5	
W1/W2 A/D converter 0/0 WET A/D converter with intrinsically safe load cell supply 0/- X3/K4 Disconnectable load cell connection 0/- Built-in Inputs Built-in Inputs Built-in Inputs Standard DE1 Digital inputs - relays, passive Standard Busing Busing Standard Busing Standard G2 Maxxis 5 with panel housing Standard G2 Maxxis 5 in tabletop housing Standard G2 Maxxis 5 in tabletop housing with U-bracket (turned front)			Slot A/B
WE1 A/D converter with intrinsically safe load cell supply 0/- X3/X4 Disconnectable load cell connection o//o Built-in Inputs DE1 Digital inputs - relays, passive Standard DE2 Digital inputs - relays, active ************************************			
Built-in Inputs DE1 Digital inputs – relays, passive Standard DE2 Digital inputs – relays, active Standard Housing 61 Maxxis 5 with panel housing Standard 62 Maxxis 5 in tabletop housing Standard 63 Maxxis 5 in tabletop housing with U-bracket (turned front)	W1/W2	A/D converter	0/0
Built-in Inputs DE1 Digital inputs - relays, passive Standard DE2 Digital inputs - relays, active Formula inputs Housing Standard G1 Maxxis 5 with panel housing Standard G2 Maxxis 5 in tabletop housing with U-bracket (turned front)	WE1	A/D converter with intrinsically safe load cell supply	0/-
DE1 Digital inputs – relays, passive Housing 61 Maxxis 5 with panel housing 62 Maxxis 5 in tabletop housing 63 Maxxis 5 in tabletop housing with U-bracket (turned front) 64 Maxxis 5 in tabletop housing (not available with Y2/Y3) L12 Housing back plate with cable glands for tabletop housing (standard) L13 Housing back plate with eable glands for tabletop housing (not available with Y2/Y3) L14 Housing back plate with EEntry 4 and cable glands for tabletop housing (not available with Y2/Y3) L15 Housing back plate with EEntry 4 and cable glands for tabletop housing (not available with Y2/Y3) Approvals Y2 ATEX Zone 2/22 approval Y3 FM Class I, Div. 2 approval Y3 FM Class I, Div. 2 approval Y4 (labels and CD), NAWI according to MID Power Supply L0 110/240 V AC power supply Dower Cables EU Power cable with GB plug, type CEE7 (only if tabletop housing is ordered) US Power cable with GB plug, type 360 (only if tabletop housing is ordered) US Power cable with US plug, type A3 I (only if tabletop housing is ordered) N31 Power cable with US plug, type A3 I (only if tabletop housing is ordered) Applications and Licenses H0 BASIC application (PC included) 15 COUNT application (available 2015) 16 BATCH application (PC included) 17 COUNT application (available 2015) 18 TRUCK application (alibi memory included) 18 TRUCK application (alibi memory included) 19 Tilt correction licenses (BASIC software required) E5 Alibi memory license	X3/X4	Disconnectable load cell connection	0/0
DE2 Digital inputs - relays, active	Built-in Inputs		
Housing	DE1	Digital inputs – relays, passive	Standard
G1 Maxxis 5 with panel housing G2 Maxxis 5 in tabletop housing G3 Maxxis 5 in tabletop housing with U-bracket (turned front) G4 Maxxis 5 in babletop housing with U-bracket (turned front) G4 Maxxis 5 in blackbox housing (not available with Y2/Y3) L12 Housing back plate with cable glands for tabletop housing (standard) L13 Housing back plate with EzEntry 4 and cable glands for tabletop housing (not available with Y2/Y3) Approvals Y2 ATEX Zone 2/22 approval Y3 FM Class I, Div. 2 approval F3 Kit for legal for trade approval (labels and CD), NAWI according to MID Power Supply L0 110/240 V AC power supply Standard B 24 V DC power supply Power Cables EU Power cable with Euro plug, type CEE7 (only if tabletop housing is ordered) S Power cable with GB plug, type 360 (only if tabletop housing is ordered) US Power cable with US plug, type LAP 31 (only if tabletop housing is ordered) N31 Power cable with US plug, type LAP 31 (only if tabletop housing is ordered) Applications and Licenses H0 BASIC application S ASSIC application (OPC included) S COUNT application (available 2015) G BATCH application (available 2015) If COUNT application (alibi memory included) III IBC - One component filling TIT Correction license (BASIC Software required) E5 Alibi memory license	DE2	Digital inputs – relays, active	
G2 Maxxis 5 in tabletop housing G3 Maxxis 5 in tabletop housing with U-bracket (turned front) G4 Maxxis 5 in blackbox housing myth U-bracket (turned front) G4 Maxxis 5 in blackbox housing (not available with Y2/Y3) L12 Housing back plate with cable glands for tabletop housing (standard) L13 Housing back plate with EZEntry 4 and cable glands for tabletop housing (not available with Y2/Y3) Approvals Y2 ATEX Zone 2/22 approval Y3 FM Class I, Div. 2 approval F3 Kit for legal for trade approval (labels and CD), NAWI according to MID Power Supply L0 110/240 V AC power supply Standard L8 24 V DC power supply Power Cables EU Power cable with Euro plug, type CEE7 (only if tabletop housing is ordered) US Power cable with GB plug, type 360 (only if tabletop housing is ordered) US Power cable with US plug, type LAP 31 (only if tabletop housing is ordered) N31 Power cable for 24 V with open ended cable (only if tabletop housing is ordered) Applications and Licenses H0 BASIC application (OPC included) L5 COUNT application (available 2015) L6 BATCH application (available 2015) L6 BATCH application (alibi memory included) L11 IBC - One component filling L12 Tilt correction license (BASIC software required) E5 Alibi memory license	Housing		
G3 Maxxis 5 in tabletop housing with U-bracket (turned front) G4 Maxxis 5 in blackbox housing (not available with Y2/Y3) L12 Housing back plate with cable glands for tabletop housing (standard) L13 Housing back plate with cable glands for tabletop housing (not available with Y2/Y3) Approvals Y2 ATEX Zone 2/22 approval Y3 FM Class I, Div. 2 approval F3 Kit for legal for trade approval (labels and CD), NAWI according to MID Power Supply L0 110/240 V AC power supply Standard L8 24 V DC power supply Power Cables EU Power cable with Euro plug, type CEE7 (only if tabletop housing is ordered) Standard GB Power cable with GB plug, type 360 (only if tabletop housing is ordered) US Power cable with US plug, type AP 31 (only if tabletop housing is ordered) N31 Power cable for 24 V with open ended cable (only if tabletop housing is ordered) Applications and Licenses H0 BASIC application BASIC application (albin memory included) IS COUNT application (albin memory included) III BIC - One component filling III BIC - One component filling III Enrection license (BASIC Software required) E5 Alibin memory license	G1	Maxxis 5 with panel housing	Standard
G4 Maxxis 5 in blackbox housing (not available with Y2/Y3) L12 Housing back plate with cable glands for tabletop housing (standard) L13 Housing back plate with EzEntry 4 and cable glands for tabletop housing (not available with Y2/Y3) Approvals Y2 ATEX Zone 2/22 approval Y3 FM Class I, Div. 2 approval F3 Kit for legal for trade approval (labels and CD), NAWI according to MID Power Supply L0 110/240 V AC power supply Standard L8 24 V DC power supply Power Cables EU Power cable with Euro plug, type CEE7 (only if tabletop housing is ordered) Standard GB Power cable with GB plug, type 360 (only if tabletop housing is ordered) US Power cable with US plug, type 360 (only if tabletop housing is ordered) W31 Power cable with US plug, type AP 31 (only if tabletop housing is ordered) W31 Power cable for 24 V with open ended cable (only if tabletop housing is ordered) Applications and Licenses H0 BASIC application Standard PHASE application (OPC included) SCOUNT application (available 2015) BATCH application RECHAPPICATION (alibi memory included) STANDARD (BASIC Software required) ES Alibi memory license	G2	Maxxis 5 in tabletop housing	
L12 Housing back plate with cable glands for tabletop housing (standard) L13 Housing back plate with EzEntry 4 and cable glands for tabletop housing (not available with Y2/Y3) Approvals Y2 ATEX Zone 2/22 approval Y3 FM Class I, Div. 2 approval F3 Kit for legal for trade approval (labels and CD), NAWI according to MID Power Supply L0 110/240 V AC power supply Standard L8 24 V DC power supply Power Cables EU Power cable with Euro plug, type CEE7 (only if tabletop housing is ordered) US Power cable with GB plug, type 360 (only if tabletop housing is ordered) US Power cable with US plug, type LAP 31 (only if tabletop housing is ordered) N31 Power cable for 24 V with open ended cable (only if tabletop housing is ordered) Applications and Licenses H0 BASIC application (OPC included) 15 COUNT application (available 2015) 16 BATCH application (alibi memory included) 11 IBC – One component filling 112 Tilt correction license (BASIC software required) E5 Alibi memory license	G3	Maxxis 5 in tabletop housing with U-bracket (turned front)	
Approvals Y2	G4	Maxxis 5 in blackbox housing (not available with Y2/Y3)	
Approvals Y2 ATEX Zone 2/22 approval Y3 FM Class I, Div. 2 approval F3 Kit for legal for trade approval (labels and CD), NAWI according to MID Power Supply L0 110/240 V AC power supply L8 24 V DC power supply Power Cables EU Power cable with Euro plug, type CEE7 (only if tabletop housing is ordered) US Power cable with US plug, type 360 (only if tabletop housing is ordered) US Power cable with US plug, type LAP 31 (only if tabletop housing is ordered) N31 Power cable for 24 V with open ended cable (only if tabletop housing is ordered) Applications and Licenses H0 BASIC application Standard H4 PHASE application (OPC included) I5 COUNT application (available 2015) I6 BATCH application [alibi memory included) I11 IBC - One component filling I12 Tilt correction license (BASIC software required) E5 Alibi memory license	L12	Housing back plate with cable glands for tabletop housing (standard)	
Y2 ATEX Zone 2/22 approval Y3 FM Class I, Div. 2 approval F3 Kit for legal for trade approval (labels and CD), NAWI according to MID Power Supply L0 110/240 V AC power supply Standard L8 24 V DC power supply Power Cables EU Power cable with Euro plug, type CEE7 (only if tabletop housing is ordered) US Power cable with US plug, type 360 (only if tabletop housing is ordered) US Power cable with US plug, type LAP 31 (only if tabletop housing is ordered) N31 Power cable for 24 V with open ended cable (only if tabletop housing is ordered) Applications and Licenses H0 BASIC application (OPC included) L5 COUNT application (OPC included) L6 BATCH application (available 2015) L8 TRUCK application (alibi memory included) L11 BC - One component filling L12 Tilt correction license (BASIC software required) E5 Alibi memory license	L13	Housing back plate with EzEntry 4 and cable glands for tabletop housing (not available with Y2/Y3)	
FM Class I, Div. 2 approval F3 Kit for legal for trade approval (labels and CD), NAWI according to MID Power Supply L0 110/240 V AC power supply Power Cables EU Power cable with Euro plug, type CEE7 (only if tabletop housing is ordered) Standard GB Power cable with GB plug, type 360 (only if tabletop housing is ordered) US Power cable with US plug, type LAP 31 (only if tabletop housing is ordered) N31 Power cable for 24 V with open ended cable (only if tabletop housing is ordered) Applications and Licenses H0 BASIC application (PC included) 15 COUNT application (available 2015) 16 BATCH application 18 TRUCK application (alibi memory included) 11 IBC – One component filling 112 Tilt correction license (BASIC software required) E5 Alibi memory license	Approvals		
F3 Kit for legal for trade approval (labels and CD), NAWI according to MID Power Supply L0 110/240 V AC power supply Power Cables EU Power cable with Euro plug, type CEE7 (only if tabletop housing is ordered) US Power cable with US plug, type 360 (only if tabletop housing is ordered) US Power cable with US plug, type LAP 31 (only if tabletop housing is ordered) N31 Power cable for 24 V with open ended cable (only if tabletop housing is ordered) Applications and Licenses H0 BASIC application B ASIC application (OPC included) 5 COUNT application (available 2015) 16 BATCH application 18 TRUCK application (alibi memory included) 11 IBC – One component filling 112 Tilt correction license (BASIC software required) E5 Alibi memory license	Y2	ATEX Zone 2/22 approval	
Power Supply 10 110/240 V AC power supply Standard 24 V DC power supply Power Cables EU Power cable with Euro plug, type CEE7 (only if tabletop housing is ordered) Standard GB Power cable with GB plug, type 360 (only if tabletop housing is ordered) US Power cable with US plug, type LAP 31 (only if tabletop housing is ordered) N31 Power cable for 24 V with open ended cable (only if tabletop housing is ordered) Applications and Licenses H0 BASIC application PHASE application (OPC included) Standard 4 PHASE application (available 2015) GB BATCH application RE TRUCK application (alibi memory included) I11 IBC - One component filling I12 Tilt correction license (BASIC software required) E5 Alibi memory license	Y3	FM Class I, Div. 2 approval	
LO 110/240 V AC power supply Power Cables EU Power cable with Euro plug, type CEE7 (only if tabletop housing is ordered) US Power cable with US plug, type LAP 31 (only if tabletop housing is ordered) N31 Power cable for 24 V with open ended cable (only if tabletop housing is ordered) Applications and Licenses HO BASIC application (OPC included) IS COUNT application (available 2015) IG BATCH application R TRUCK application (alibi memory included) II IBC – One component filling III Tilt correction license (BASIC software required) ES Alibi memory license	F3	Kit for legal for trade approval (labels and CD), NAWI according to MID	
Power Cables EU Power cable with Euro plug, type CEE7 (only if tabletop housing is ordered) Standard GB Power cable with GB plug, type 360 (only if tabletop housing is ordered) US Power cable with US plug, type LAP 31 (only if tabletop housing is ordered) N31 Power cable for 24 V with open ended cable (only if tabletop housing is ordered) Applications and Licenses HO BASIC application Standard I4 PHASE application (OPC included) I5 COUNT application (available 2015) I6 BATCH application I8 TRUCK application (alibi memory included) I11 IBC – One component filling I12 Tilt correction license (BASIC software required) E5 Alibi memory license	Power Supply		
Power Cables EU Power cable with Euro plug, type CEE7 (only if tabletop housing is ordered) GB Power cable with GB plug, type 360 (only if tabletop housing is ordered) US Power cable with US plug, type LAP 31 (only if tabletop housing is ordered) N31 Power cable for 24 V with open ended cable (only if tabletop housing is ordered) Applications and Licenses HO BASIC application Standard 14 PHASE application (OPC included) I5 COUNT application (available 2015) I6 BATCH application I8 TRUCK application (alibi memory included) I11 IBC – One component filling I12 Tilt correction license (BASIC software required) E5 Alibi memory license	LO	110/240 V AC power supply	Standard
Power cable with Euro plug, type CEE7 (only if tabletop housing is ordered) Power cable with GB plug, type 360 (only if tabletop housing is ordered) Power cable with US plug, type LAP 31 (only if tabletop housing is ordered) Power cable for 24 V with open ended cable (only if tabletop housing is ordered) Applications and Licenses HO BASIC application Standard PHASE application (OPC included) COUNT application (available 2015) BATCH application TRUCK application (alibi memory included) I1 IBC - One component filling I12 Tilt correction license (BASIC software required) E5 Alibi memory license	L8	24 V DC power supply	
GB Power cable with GB plug, type 360 (only if tabletop housing is ordered) US Power cable with US plug, type LAP 31 (only if tabletop housing is ordered) N31 Power cable for 24 V with open ended cable (only if tabletop housing is ordered) Applications and Licenses H0 BASIC application Standard 14 PHASE application (OPC included) 15 COUNT application (available 2015) 16 BATCH application 18 TRUCK application (alibi memory included) 111 IBC – One component filling 112 Tilt correction license (BASIC software required) E5 Alibi memory license	Power Cables		
US Power cable with US plug, type LAP 31 (only if tabletop housing is ordered) N31 Power cable for 24 V with open ended cable (only if tabletop housing is ordered) Applications and Licenses HO BASIC application Standard 14 PHASE application (OPC included) 15 COUNT application (available 2015) 16 BATCH application 18 TRUCK application (alibi memory included) 11 IBC – One component filling 112 Tilt correction license (BASIC software required) E5 Alibi memory license	EU	Power cable with Euro plug, type CEE7 (only if tabletop housing is ordered)	Standard
N31 Power cable for 24 V with open ended cable (only if tabletop housing is ordered) Applications and Licenses H0 BASIC application Standard I4 PHASE application (OPC included) I5 COUNT application (available 2015) I6 BATCH application I8 TRUCK application (alibi memory included) I11 IBC – One component filling I12 Tilt correction license (BASIC software required) E5 Alibi memory license	GB	Power cable with GB plug, type 360 (only if tabletop housing is ordered)	
Applications and Licenses HO BASIC application Standard 14 PHASE application (OPC included) 15 COUNT application (available 2015) 16 BATCH application 18 TRUCK application (alibi memory included) 11 IBC – One component filling 112 Tilt correction license (BASIC software required) E5 Alibi memory license	US	Power cable with US plug, type LAP 31 (only if tabletop housing is ordered)	
HO BASIC application Standard I4 PHASE application (OPC included) I5 COUNT application (available 2015) I6 BATCH application I8 TRUCK application (alibi memory included) I11 IBC – One component filling I12 Tilt correction license (BASIC software required) E5 Alibi memory license	N31	Power cable for 24 V with open ended cable (only if tabletop housing is ordered)	
HO BASIC application Standard I4 PHASE application (OPC included) I5 COUNT application (available 2015) I6 BATCH application I8 TRUCK application (alibi memory included) I11 IBC – One component filling I12 Tilt correction license (BASIC software required) E5 Alibi memory license	Applications and Li	censes	
14 PHASE application (OPC included) 15 COUNT application (available 2015) 16 BATCH application 18 TRUCK application (alibi memory included) 111 IBC – One component filling 112 Tilt correction license (BASIC software required) E5 Alibi memory license			Standard
BATCH application	14	PHASE application (OPC included)	
BATCH application	Ī5		
I11 IBC – One component filling I12 Tilt correction license (BASIC software required) E5 Alibi memory license	16		
I11 IBC – One component filling I12 Tilt correction license (BASIC software required) E5 Alibi memory license	18	TRUCK application (alibi memory included)	
Tilt correction license (BASIC software required) E5 Alibi memory license	Ī11		
E5 Alibi memory license	Ī12	_	
	E5	Alibi memory license	
	E6	OPC server license (AccessIt 2.0 included)	

Special license "Batch Modes" for use in individual programming

Interface Cards		Slot 1/2/4
B15/B25	Interface card serial 2× RS-485 (including supply for one IS platform)	0/0/-
B16/B26	Interface card analog 1 input/1 output with 0/4-20 mA	0/0/-
B17/B27	Interface card digital 4 outputs relay/4 inputs – active	0/0/-
B18/B28	Interface card digital 4 outputs relay/4 inputs – passive	0/0/-
B19/B29	Interface card digital 8 outputs Optocoupler/4 inputs – passive	0/0/-
C21	Fieldbus card Profibus DP	-/-/0
C24	Fieldbus card DeviceNet	-/-/0
C25	Fieldbus card CC-Link (available 2015)	-/-/0
C26	Fieldbus card Profinet	-/-/0
C27	Fieldbus card Ethernet/IP	-/-/0

Cables for Integrated Ethernet Interface

M39	Ethernet connector female RJ45, IP66
M40	Ethernet cable with cable gland, 7 m, RJ45 connector

Cables for Integrated USB Interface

N29	USB connector female USB type A, IP65 if no USB plugged in (not available with Y2/Y3)
N30	USB cable to connect YBR03xx barcode scanner

Connection to (EX) Remote Terminal

CX1	Connector for Maxxis 5 Ex-Remote Terminal for barrier-free connection
C1	Connector for Maxxis 5 Remote Terminal

Cables with Cable Glands

	Integrated RS-232	Integrated RS-485	Slot 1 1. RS-485	2. RS-485	Slot 2 1. RS-485	2. RS-485
Serial cable with 9 pin D-Sub male connector, 6 m	M16					
Serial cable with 9 pin D-Sub female connector, 6 m	M17	M81	M77	M86	M79	M91
Serial cable with 12 pin round connector male, 6 m	M18	M74	M61	M63	M66	M68
Serial cable with 12 pin round connector female, 6 m	M19	M75	M62	M64	M67	M69

Maxxis 5 - Order Numbers with fixed Defined Configuration which Cannot be Changed with Additional Options

Туре	Description	Order Number	
PR 5900/00	Maxxis 5 Process Controller with options: panel housing (G1), A/D converter (W1), 110/230 V (L0), BASIC application (H0), digital input passive (DE1)	9405 159 00001	
PR 5900/01	Maxxis 5 Process Controller with options: panel housing (G1), A/D converter (W1), 24 V (L8), BASIC application (H0), digital input passive (DE1)	9405 159 00011	
PR 5900/02	Maxxis 5 Process Controller with options: tabletop housing (G2), rear plate cable glands (L12), A/D converter (W1), 110/230 V (L0), BASIC application (H0), digital input passive (DE1), power cable with Euro plug (EU)	9405 159 00021	
PR 5900/03	Maxxis 5 Process Controller with options: housing with bracket (G3), rear plate cable glands (L12), A/D converter (W1), 110/230 V (L0), BASIC application (H0), digital input passive (DE1), power cable with Euro plug (EU)	9405 159 00031	

Accessories for Maxxis 5

Гуре	Description	Order Number
PR5900/10	A/D converter	9405 359 00101
PR5900/04	Interface card serial 2 × RS-485 (including supply for one IS platform)	9405 359 00041
PR5900/12	Interface card digital 4 outputs relay/4 inputs – passive	9405 359 00121
PR5900/13	Interface card digital 4 outputs relay/4 inputs – active	9405 359 00131
PR5900/17	Interface card digital 8 outputs Optocoupler/4 inputs – passive	940535900171
PR5900/07	Interface card analog 1 input/1 output with 0/4–20 mA	9405 359 00071
PR1721/51	Fieldbus card Profibus DP	9405 317 21511
PR1721/54	Fieldbus card DeviceNet	9405 317 21541
PR1721/55	Fieldbus card CC-Link (available 2015)	9405 317 21551
PR1721/56	Fieldbus card Profinet	9405 317 21561
PR1721/57	Fieldbus card Ethernet/IP	9405 317 21571
PR5900/41	Serial cable with cable glands (9 pin D-Sub plug male)	9405 359 00411
PR5900/42	Serial cable with cable glands (9 pin D-Sub plug female)	9405 359 00421
PR5900/43	Serial cable with cable glands (12 pin round plug male)	9405 359 00431
PR5900/44	Serial cable with cable glands (12 pin round plug female)	9405 359 00441
PR5230/30	Ethernet female connector RJ45, IP65	9405 352 30301
PR5230/31	Ethernet cable with cable glands, 7M, RJ45 plug, industrial material	9405 352 30311
PR5900/82	COUNT application license (available 2015)	9405 359 00821
PR5900/81	PHASE application license (OPC included)	9405 359 00811
PR5900/83	BATCH application license	9405 359 00831
PR5900/84	TRUCK application license (alibi memory included)	9405 359 00841
PR5900/86	IBC – One component filling license	9405 359 00861
PR5900/87	Tilt correction license (BASIC software)	9405 359 00871
PR5900/91	Alibi memory license	9405 359 00911
PR5900/92	OPC server license (AccessIt 2.0 included)	9405 359 00921
PR5900/93	Special license "Batch Modes" for programming	9405 359 00931
PR5999/99	W&M Approval Labels (1 set)	9405 359 99991
Ex Remote Term	ninal (Option CX1 Required) for Use in ATEX (IECEx) Zone 1 and 21	
PR5900/60	EX Remote Terminal for Maxxis 5, panel housing (YPSC* power supply needed)	9405 359 00601
PR5900/70	EX Remote Terminal for Maxxis 5, tabletop housing (YPSC* power supply needed)	9405 359 00701
	al (Option CX1 Required) Area (Available March 2015)	
PR5900/61	Remote Terminal for Maxxis 5, panel housing (24 V power supply needed)	9405 359 00611
PR5900/71	Remote Terminal for Maxxis 5, tabletop housing (24 V power supply needed)	9405 359 00711

The technical data given are intended solely as a product description and should not be conceived as guaranteed properties in the legal sense.