

Application

- Batch controller with 10 set point groups

Features

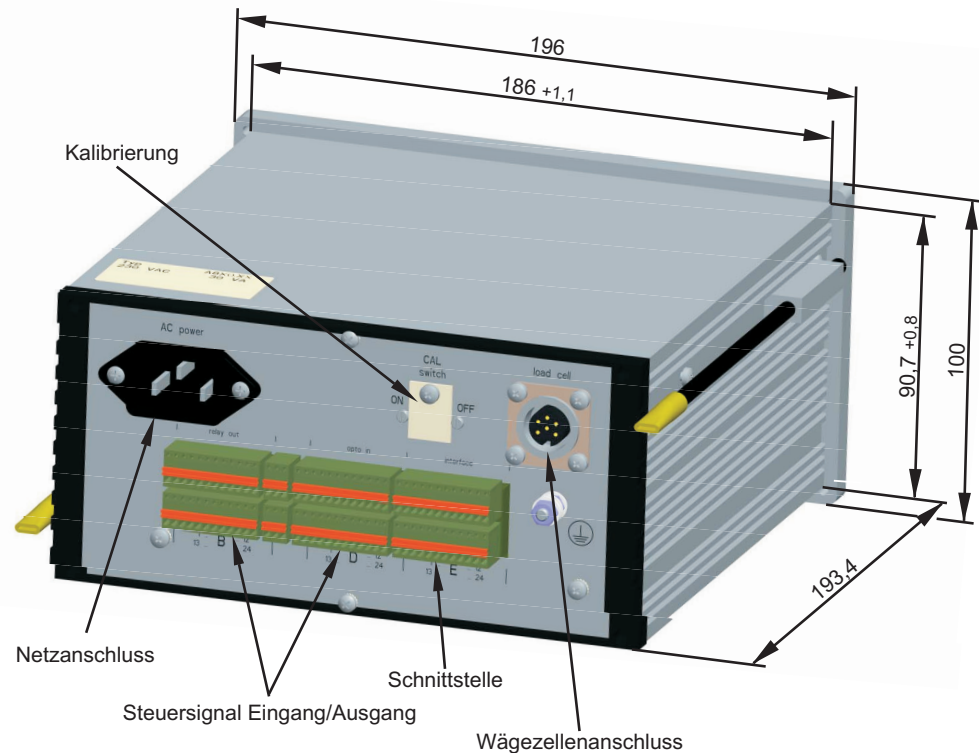
- Auto free fall compensation
- Measuring rate up to 400/s
- High accuracy 24bit
- 16 control inputs and 16 control outputs
- Two analogue outputs: 4/20mA – 0/10V
- Interfaces – incl.: RS232, RS485, TTY



Options

Interfaces: PROFIBUS DP or USB 2.0

Connections/ Dimensions



Device Versions

Type Code	Description
A810.01	Basic unit A810 with Ethernet
A810.02	Basic unit A810 with USB 2.0
A810.03	Basic unit A810
A810.04	Basic unit A810 with PROFIBUS DP

Specifications

General		Ratio Metric Measurement
Signal Input		
Load cell excitation voltage	VDC	±2.5, symmetric
Load cell wiring		4-wire- or 6-wire-system
Input signal range (span adjustment)	mV/V	0.5 ... 5
Load impedance range	Ω	57 ... 2000
Conversion resolution	Bit	24 internal
Conversion rate	ms	40 (25Hz) ... 2,5 (400Hz) optional
Relative linearity error	%	±0.0015
Noise	%	< 0.1
Zero point stability	%	± 0.005
Control Signals		
Input control signal		14 fixed, 2 free, electrically insulated, U _s 24V, I _{s max} 100mA
Output control signal		16 fixed, electrically insulated, U _{s max} 42V DC, I _{s max} 1A
Analogue Interfaces		
2x Standard signal (D/A Converter)		(12 bit, per 1x4/20mA, R _{max} 300 Ω and 1x0/10V, R _{min} 10k Ω
Digitale Interfaces		
2x RS232		for PC and/ or printer
1x RS485/ RS 422		for measuring bus
1x TTY		for remote display unit
Power Supply		
Supply voltage	VAC Hz	115/ 230, -15% ... +10%, 48 ... 62Hz, 15VA
Display/ Keyboard		
Display		LED, green, 20.7mm, 7 digits numeric, 2 digits alphanumeric
Weighin value		6 digits, plus- /minus value
Decimal point		configurable
Status display		LED illuminated status pattern
Resolution of display		100 000d
Environmental Condition		
Rated temperature range	°C	-10 ... +40, rel. humidity 85% RH (non condensing)
Storage temperature range	°C	-20 ... +85, rel. humidity 85% RH (non condensing)
Construction		
Weight	kg	1.7
Dimensions (W x H x D)	mm	see dimensions in drawing
Protection class according to EN 60529		IP 54
Electrical protection class		I

Accessoires (included delivery)

Type Code	Description
XKM 280	Panel mounting set A 810
XKC 041	Connector plug for load cell attachment 5x connector (FK-MC 0.5/ 12-ST 2.5)
XKC280	Interface cable, power cable, screw driver, CD-ROM (Manual, parameterizations-software XKS 810), Packaging A 810

Attachment

Type Code	Description
XKC 290	I/O Tester A 810
XKC 115	Load cell simulation