Industrial Batching System, Counter and Flow Indicator

KOBOLD

MAX

942.24

SP1 SP2 SP3 SP4

DSP PAR F1▲ F2▼ RST

- Frequency measuring to 34 kHz
- 2 independent counters,
  1 sum/difference/remote indication,
  1 tachometer
- User scaling
- Min/max memory
- Scalable pulse output
- Protection IP 65
- Simple button programming

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Model:
DAG-AXI

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Description

The industrial indicator DAG-AXI can be used as a very flexible and accurate laboratory device. However, it was designed with rugged plastic housing and high protection IP 65 for rough industrial applications. The globally used, proven electronics designed for durability undergo a 3-day quality test under full load after assembly. The device is programmed quickly and safely from a PC or with the 5 keys. The operator can record and easily alter all parameters at once with the convenient user interface. Devices may also be upgraded with the pluggable options.

The device is fitted with the following functions as standard:

- 2 independent counters, 1 dependent counter and 1 tachometer / flow indicator
- 2 pulse inputs, multiple evaluation, fourfold phase discriminator
- 3 programmable user inputs
- User scaling
- Min/max memory, scalable pulse output
- Jet-proof and dust-proof from the front (IP 65)
- Simple button programming

Besides the standard functions the device can also be fitted with the following options:

- Limit values: 2 changeover contacts, 4 N/O contacts, 4 NPN-OC transistor outputs or 4 PNP-OC transistor outputs
- Analogue output: 0/4-20 mA and 0-10 V$_{DC}$
- Interface: RS232, RS485 or DeviceNET

Technical Details

Display:	6-digit, 14 mm high, red LED display
Counters:	max. +999,999 or -99,999 (static), max. ±99,999.999 (2 alternate displays) (OF 99) (999999)/(OF-99)(999999)
Tachometer:	max. 99,999; accuracy: 0.01% period measurement
Input:	NPN, PNP sensors, CMOS, TTL, floating contacts, permanent magnet sensors (DIP switch settings)
Measurement input:	0.01 Hz to max. cut-off frequency (max. 34 kHz, see table for limitation)
Pulse output:	scalable 0.0001 to 1.0000; NPN O.C. max. 100 mA, 30 V$_{DC}$
MIN /MAX value:	display: L12345 or H12345
Sensor supply:	12 V$_{DC}$, ±10%, max. 100 mA
Power supply:	85-250 V$_{AC}$, 18 VA or 11-36 V$_{DC}$, 14 W 24 V$_{AC}$ (±10%), 15 VA
Max. temperature:	0 to +50°C operating temperature (0 to +45°C with all options) -40 to +80°C storage temperature
Dimensions:	96x48x104 mm (WxHxD)
Cut-out dimensions:	92x45 mm
Housing:	plastic, IP 65 from the front
Mounting:	mounting frame with retaining screws
Connection:	fixed terminal block
Weight:	approximately 300 g (without pluggable options)

Order Details (Example: **DAG-AXI 0 0 0 0**)

Model	Description	Supply	Limit values	Output	Interface
DAG-AXI	2 Frequency inputs 6-digit, 14 mm high LED-display 3 counter, 1 tachometer, pulse output, MIN/MAX memory	**0** = 85-250 V$_{AC}$ **1** = 11-36 V$_{DC}$, 24 V$_{AC}$	**0** = without **2** = 2 changeover contacts **4** = 4 N/O contacts **8** = 4 transistor outputs NPN **9** = 4 transistor outputs PNP	**0** = without **4** = 0(4)-20 mA, 0-10 V	**0** = without **7** = RS 232 **8** = RS 485 **9** = DeviceNET

For further technical specifications of DAG-AXI please refer to our brochure Z2.

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