ELGO
ELECTRONIC

AZ17E

- ■ *MEASURE*
- ■ *INDICATE*
- ■ *COMMUNICATE*

Battery-powered absolute position indicator

| **AZ17E** | Battery-powered absolute position indicator |

General: The position indicator AZ17E represents an independent absolute measuring and indicating system that operates completely autonomous. The system consists of:
1. an extensive configurable position indicator
2. an external absolute magnetic sensor AZS (cable length max. 20 m)
3. an absolute encoded magnetic tape with max. 8 m measuring length

The new Snap-In mounting allows an easy installation in the defined panel cut out on the front side.

Applications: Manual slides, guiding and stop systems, where no power supply available.

Features:

- 7-digit LCD display

- Sign, battery status, units and -°-symbol

- Easy mounting via Snap-In Housing

- Configuarable display modes: mm/inch incl. fraction display

- Adjustable counting direction

- Adjustable decimal point position and multiplication factor

- Key lock

- Adjustable reference value

- Switch-over between incremental and absolute measuring

- 3 adjustable tool-offsets

- Optional 2 external inputs for special functions via RJ45

- Optional 2 external outputs via RJ45

- Interface sRS232/RS422/RS485/868 MHz possible

Compatible to ELGO-measuring system AZ17E:

AZS 8

Technical specifications:

Display	LCD-display 6 decades with sign, battery status, units and -° -symbol
Perspective	12 o'clock
Power supply	Cable outlet for external measuring system
Current consumption (with measuring system)	< 1 mA at 1,5 V
Operating temperature	0... +50 °C
Storage temperature	-20... +80 ° C
Housing	Norm panel housing, plastic, black
Housing dimensions	W x H x D = 96 x 48 x 27 mm
Install depth	20 mm
Panel cut out	W x H = 93 x 45 mm
Protection class	IP54
Magnetic sensor AZS	
Pole distance	4 (8) mm
Resolution	62,5 μm
Max. measuring length	8,0 m
Sensor cable length	0,1 m … max. 20 m
Sensor cable	Drag-chain suitable/ flexible/4-wire/ shielded
Interface	RS485
Housing	Plastic ABS
Protection class	IP67
Bending radius	Min. 25 mm
Distance sensor/tape	Max. 1.5 mm (without cover band)

Order reference:

For orders please use the following order code:

AZ17E - _ _ _ - _ _ _ - _ _ . _ - _
      A A A - B B B - C C . C - D

A SN-Number
  000 *ELGO* standard
  001 first sepcial version

B Versorgung
  001 1,5 VDC, Battery powered

C Sensor cable
  01.0 1,0 m standard length

D Options
  0   Fixed cable outlet
  1   Snap-on RJ45 connector (standard)

Example:

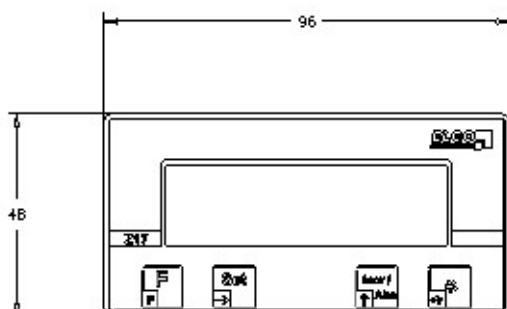AZ17E - 0 0 0 - 0 0 1 - 0 1 . 0 - 0
        A A A - B B B - C C . C - D

AZ17E ELGO standard with 1.5 VDC power supply, 1,0 m sensor cable length and fixed cable outlet.
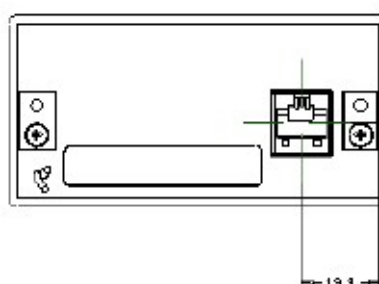
Your order:

AZ17E - _ _ _ - _ _ _ - _ _ . _ - _
        A A A - B B B - C C . C - D

Dimensions:

Front view:

Back view:

Side view:
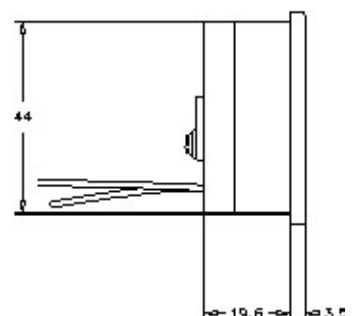
Order reference:

For orders please use the following order code:

AZS - _ _ _ - _ - _ _ . _ - _
     A A A - B - C C . C - D

A   SN-Number
- **000**   *ELGO* standard
- **001**   first special version

B   Sensor type
- **1**   AZ-sensor AZS 8
  (for max. 8 m measuring length)

C   Sensor cable length
- Available standard length: 1/2/3/5 m
  (other length for surchage; max.20 m)

D   Cable options
- **1**   Cable outlet with RJ45-plug
  (standard)

For example:

AZS - 0 0 0 - 1 - 0 1 . 0 - 1
     A A A - B - C C . C - D

AZ-Sensor *ELGO* standard, with max. 8 m measuring length, 1 m sensor cable length and a cable outlet with RJ45-plug (standard).

Your order:

AZS - _ _ _ - _ - _ _ . _ - _
     A A A - B - C C . C - D

Accessories:

AZS 8	Magnetic sensor for AZ17E
Battery case	
1xC Mounting (710000131) **or**	Battery case with battery holder, battery and lug
1xC Open (710000132)	Battery holder, battery and lug
AB20-40-10-1-R-11	Magnetic tape for AZ17E
Magnetic tape end cap 10 mm - Set	2 end caps (10 mm) and 2 x M3 screws; additional fixation in the radial and linear area, as well as a protection of the Magnetic tape ends. Order No. 731031002
Magnetic tape end cap 10 mm	1 end cap (10 mm) Order No. 731031000
SB-20-10-01-14404 (AB10)	Cover band, width 10 mm, with double-sided adhesive tape
FS-XXXX	Aluminium rail with 2 slots for fixation of a 10 mm and 20 mm wide magnetic tape. Without magnetic tape! (XXXX = Length in mm)