



E-LDBK-100

LIGHT BELT WEIGH FEEDERS



■ DEFINITION

E-LDBK-100 Series Light Belt Weigh Feeders (weight controlled belt feeders) are designed for fine material at low flow rates in industrial environments with high accuracy.

It provides high accuracy and reliability with its mechanical and electrical structure. They are driven with AC motor and they have standard RS485 modbus communication. Optional Profibus or Profinet or Ethernet communication.

■ GENERAL PROPERTIES

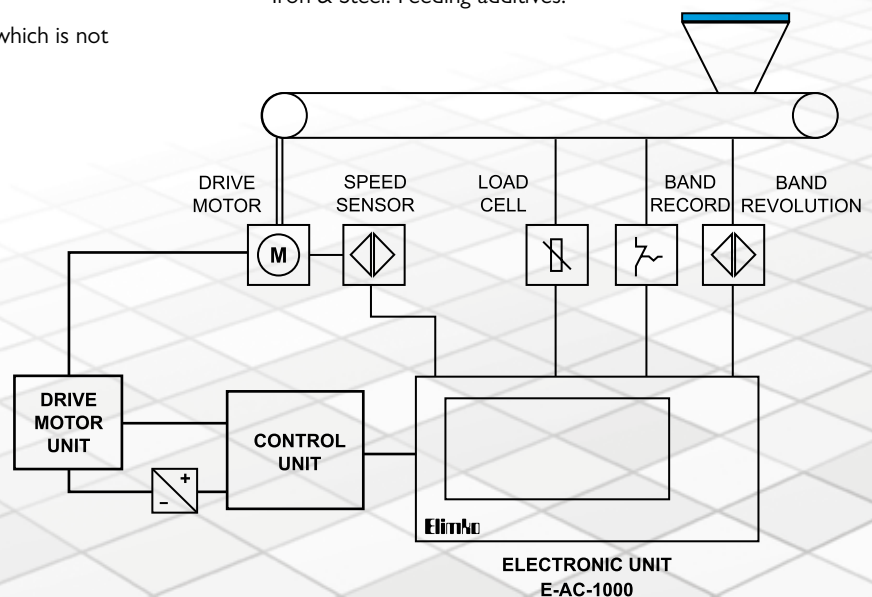
- They have special weight measuring system which is not effected from side loads and vibration.
- AC Motor usage.
- High accuracy speed measurement system (16 bit resolution)
- Plug and operate feature
- Compact design that does not require a control panel
- Connection with 2 cables only (Power + Communication)
- Easy and automatic calibration
- Automatic belt monitoring feature
- Automatic belt correction feature
- Double side belt cleaning system
- Delivery with Filling and discharging Chutes.
- Flow rate or amount control feature.

■ APPLICATIONS

Elimko Light Belt Weigh Feeders are designed to provide high accuracy and reliability mainly at low flow rates and light materials;

They are used at;

- Chemical Industry: Feeding chemicals
- Detergent: Feeding detergent raw materials
- Food Industry: Feeding additives
- Cement: Feeding additives
- Iron & Steel: Feeding additives.



■ TECHNICAL PROPERTIES

Accuracy	%0.5
Flow Rate Set Range	%100 - %10
Band Width	400, 650, 800, 1000 mm
Length (L)	2000 mm - 6000 mm
Electronic Control Unit	E-AC-1000
Weight Signal Resolution	16 bit
Speed Signal Accuracy	16 bit
Communications	RS485 Modbus RTU
Digital Inputs	Start/Stop, Control Signals
Digital Outputs	"Operational", "Fault", "Alarm and breakdowns"
Analog Inputs	Set point
Analog Outputs	Control output, Flow rate, Pre-Feeder Control output.

■ OPTIONS

Filling Chute Lining

- Non-adhesive material (Wefapress)

Discharge Chute Lining

- Non-adhesive material (Wefapress)

Belt

- Standard PVC
- Teflon

Pre-feeder

- Vibro feeder
- Dossier valve
- Screw feeder
- Rotary valve

Communication

- Profibus
- Profinet
- Ethernet

■ STANDARD TYPES AND DIMENSIONS

TIP	E-LDBK-100-XXXX-YYYY-ZZZZ-WWW-VVV	
XXXX	Belt Width	mm
YYYY	Conveyor Length	mm
ZZZZ	Maximum Flow Rate	t/hr, kg/sa
WWW	Belt Type	PVC, TFL (Teflon)
VVV	Inlet Chute Lining No lining, HDX Hardox, WFP Wefapress

SAMPLE:

E-LDBK-100-500-2000-2-PVC

2 t/hr capacity 2 m length 500 mm width PVC belt feeder without lining

E-LDBK-100-1000-2500-10-TFL-WFP

10 t/hr capacity 2.5 m length 1000 mm with Teflon belt feeder with wefapress lining at inlet chute.

The company's policy is one of continuous product improvement and the right is reserved to modify the information contained here in without notice.

*** Please contact with Elimko for your special applications.**



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