

Indicator MAGIC



Description

Compact industrial weighing indicator, meeting most requirements in an industrial environment.

This software allows communication with PLC/PC (3 possible operating modes).

Compatible with all analogue load cells (or Arpege Master K digital load cells)

The MAGIC has:

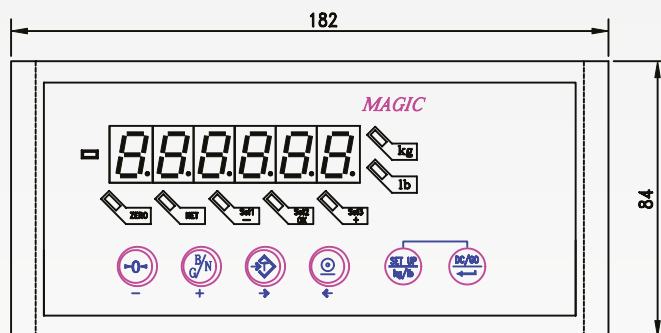
- 6-digit display + minus sign (LEDs red H = 14 mm)
- 7 LED indicators: Zero - Net - Threshold 1 - Threshold 2 - Threshold 3 - Kg or Pound symbol

Integrated keyboard with 6 keys: Zero - Gross/Weight - Taring - Printing - Configuration - Validation

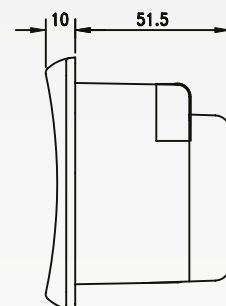
Stainless steel version IP 65 or ABS Version IP 41

Plan/Size

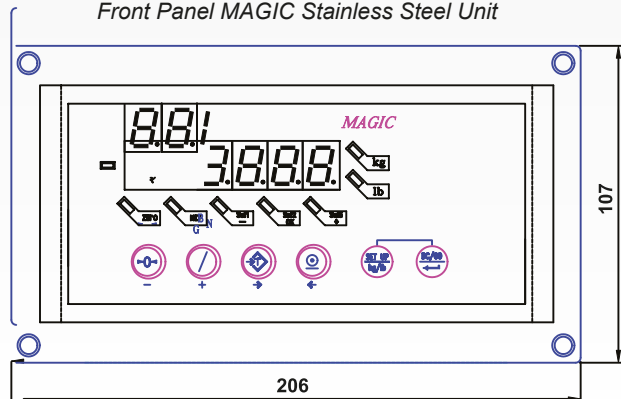
Front Panel MAGIC ABS Unit



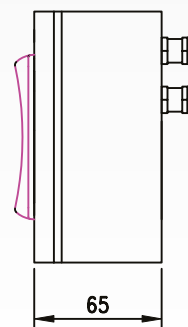
Left side MAGIC ABS Unit



Front Panel MAGIC Stainless Steel Unit



Left side MAGIC Stainless Steel Unit



Dimensions in mm

Characteristics

GENERAL CHARACTERISTICS

Power supply (ABS version)	12 VDC /Adaptor 220 VAC external - (24 VDC optionally available)
Power supply (stainless steel version)	220 VAC (mains lead)
Power consumption	8 VA
Power supply for analog load cell	5 VAC square signal
Minimum load cell resistance	58 Ω
Operating temperature range	-10°/+40 ° C
Storage temperature range	-20 °/+60 ° C
Weight of indicator (kg)	1.2 kg (Stainless steel)/ 0.400 kg (ABS)
Packaging (cm) (LxWxD)	27.6 x 16.8 x 17.8 (Stainless steel)/22.4 x 17 x 10 (ABS)
Gross weight (kg)	1.6 kg (Stainless steel)/0.500 kg (ABS)

LEGAL-FOR-TRADE METROLOGICAL CHARACTERISTICS (According to EN 45 501)

Maximum precision of weighing	5000 scale divisions in accordance with standard EN 45 501/OIML R76/class III
Internal resolution	1/10th scale division
Minimum division input voltage	0.75 μ V for 5 V power supply
Measurement rate	10-90 measurements per second

Advantages

- ▶ Compact case can be integrated into the front panel of a cabinet/control panel
- ▶ Electrical connection by spring-clamp terminal block for rigid or flexible wire from 0.14 to 1 mm²

Connections and peripheral devices

Basic communication ports:

- 1 RS232 serial link on COM1

Options:

- Serial RS232 (COM2)
- Serial RS485 (COM2)
- Analogue output 0-10 V (galvanic isolation) (COM2)
- Analogue output 4-20 mA (galvanic isolation) (COM2)
- Current loop board (active or passive) (COM2)
- Ethernet (XPort), for sending GROSS/TARE/NET weights and receiving basic commands (COM2)
- 4 inputs/4 outputs
- CAN digital interface: MASTER CAN: digital load cells optionally available (cannot be used with analogue input)

Peripheral device management:

Printers available by default (via serial link):

- ILA 350: AMK 80-column listing printer (1 ticket copy)
- IGA 810: AMK 42-column listing printer (3 ticket copies)
- IBA 40: AMK 40-column listing printer (2 ticket copies)

List of communication protocols by serial link:

COM 1:

- Weight repeater
- JBUS/MODBUS Protocol
- COMIDM protocol
- ERIC protocol
- Printout of Gross weight ticket
- Printout of Net weight ticket
- Printout of a Gross/Tare/Net ticket

COM 2:

- ERIC protocol
- COMIDM protocol
- JBUS/MODBUS Protocol
- Weight repeater
- Printout of Gross weight ticket
- Printout of Net weight ticket
- Printout of a Gross/Tare/Net ticket
- Transmission of Gross/Tare/Net weights over Ethernet
- Weight repeater over Ethernet
- MODBUS TCP protocol over Ethernet
- COMIDM protocol over Ethernet
- ERIC protocol over Ethernet
- Printout of a Gross weight ticket over Ethernet
- Printout of a Net weight ticket over Ethernet
- Printout of a Gross/Tare/Net weight ticket over Ethernet

Accessories/Options

Accessories



Bench mount for
MAGIC ABS



Wall mount for
MAGIC ABS

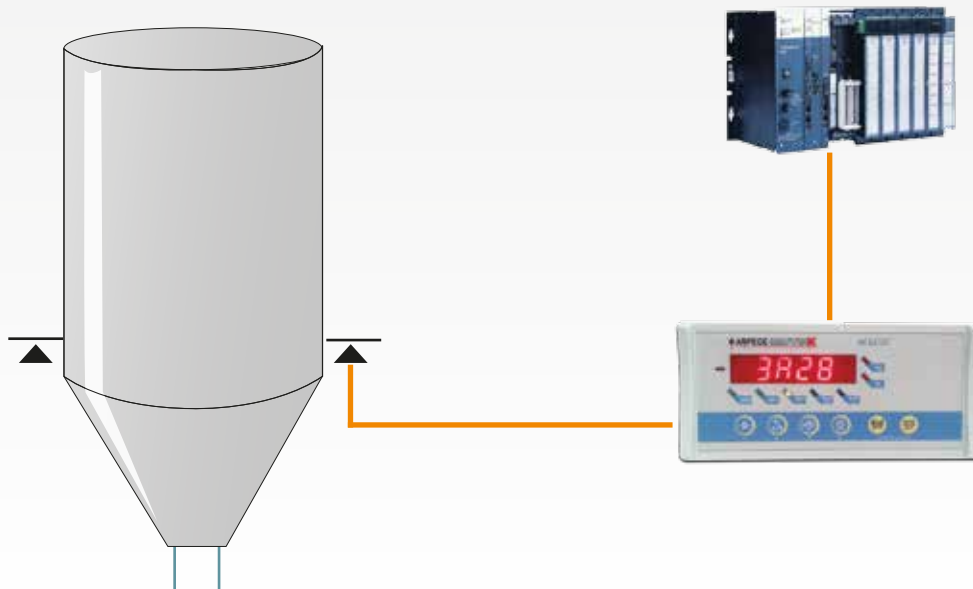


Wall mount for
MAGIC Stainless steel

Options

- ATEX version indicator

Example of configuration



Industrial application

This basic mode displays the weight, prints a weighing ticket and activates relays (if option board is present)

Description of inputs/outputs (4I/4O):

I1: Print	O1: Threshold1
I2: Reset	O2: Threshold2
I3: Clear tare	O3: Thres hold3
I4: Taring (SAT)	O4: Command acknowledgement for an input

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Our product factsheets
are available for download
at our website
www.masterk.com

Your contact information