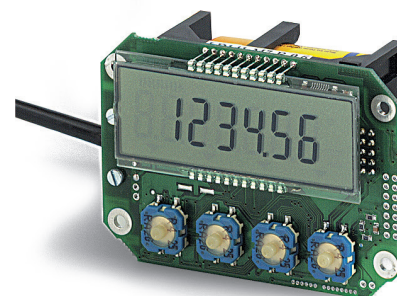


- Quasi-absolute LCD display, 14 mm height
- Max. display accuracy 0,01 mm or 1/64 inch
- Actual value memory
- Linear & Angular display mode
- Panel mount housing
- Fixed or pluggable sensor
- Reading distance sensor/tape up to 1 mm
- RS232 interface (optional)



LD140 • LD142



LD141 OEM version available on request

PARAMETERS

3 offset values, Preset value, Linear and angular display mode, mm & fractional inch display, Relative/absolute measurement

ENVIRONMENTAL SPECIFICATIONS

Operating temperature range:	0°C to +50°C (+32°F to +122°F)
Storage temperature range:	-20°C to +80°C (-4°F to +176°F)
Protection:	IP60 front, IP40 back

MECHANICAL SPECIFICATIONS

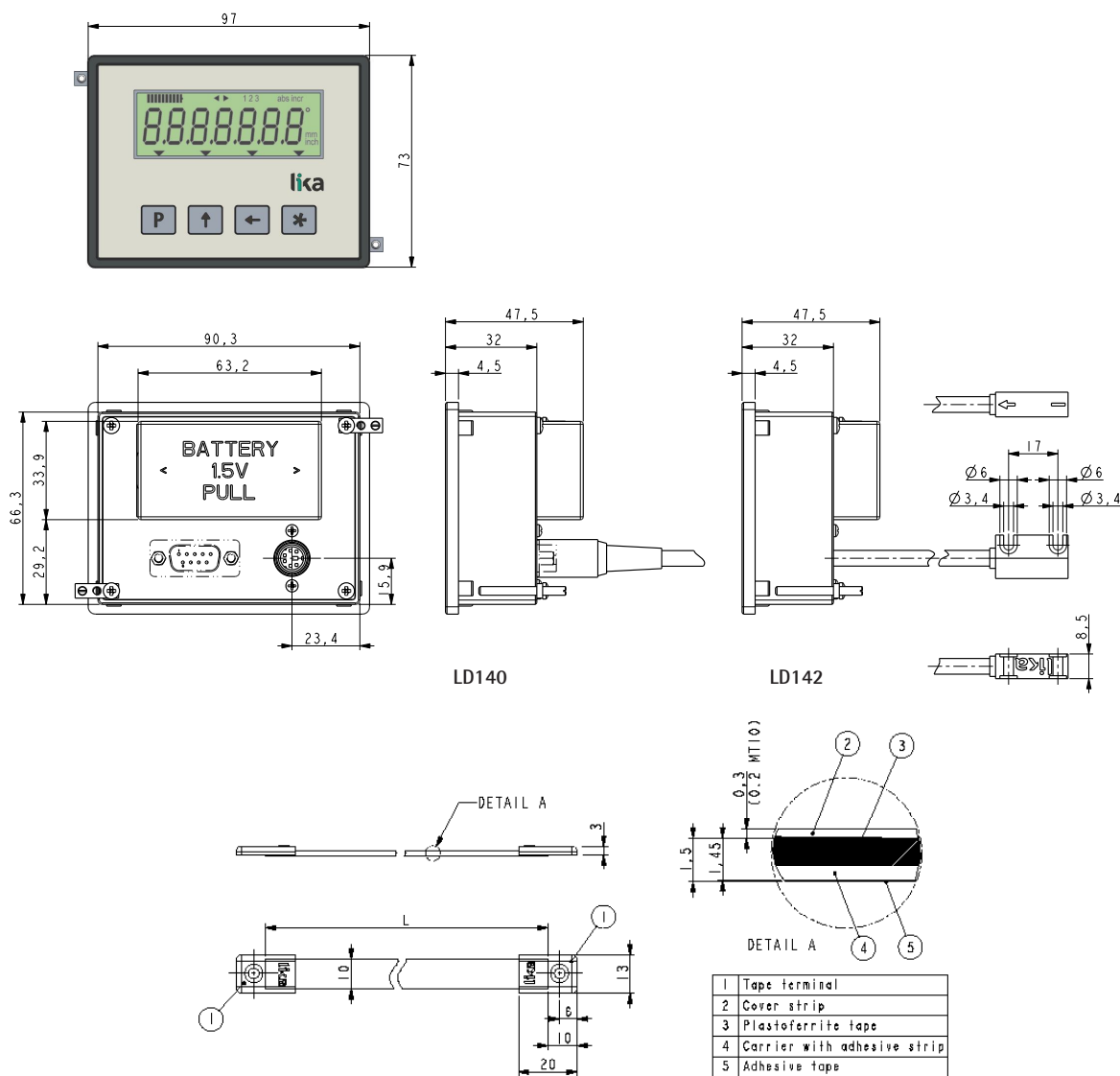
Display resolution:	max. 0,01 mm or 1/64 inch
System accuracy:	± 0,05 mm typ.
Repeat accuracy:	± 1 digit
Display range:	-999999 to 999999
Measurement speed:	max. 5 m/s
Magnetic sensor:	SM25
Reading distance sensor/tape:	0,1 - 1,0 mm
Dimensions:	see drawing
Cut-out:	91,5 x 67,5 mm ²
Connections:	Battery holder (C type) Cable (sensor) DSub 9 pin (RS232)

ELECTRICAL SPECIFICATIONS

Power supply:	Integrated 1,5V battery
Consumption:	~ 700 µA
Interface:	RS232 (optional)

ACCESSORIES

SM25:	Magnetic sensor
MTI-0250:	Magnetic tape
PF4012:	Fixing support



MTI

Order code - Display

LD140	-	XX	-	XX
		(a)		(b)

Order code - Sensor

SM25	-	R	XXXX
		(a)	(b)

Order code - Display

LD142	-	XX	X	XXXX	-	XX
		(a)	(b)	(c)		(d)

(a) INPUT
M7 = magnetic sensor

(b) INTERFACE
I1 = RS232

(a) SENSOR
R = rectangular

(b) CABLE LENGTH
L002 = cable output 0,2 m
L010 = cable output 1 m
Lxx0 = cable output x m.
(max. length 5 m)

(a) INPUT
M7 = magnetic sensor

(c) CABLE LENGTH
L002 = cable output 0,2 m
Lxx0 = cable output x m.
(max. length 5 m)

(d) INTERFACE
I1 = RS232

(b) SENSOR
R = rectangular

Order code - Tape

MTI	-	XXXX	-	XX	-	XXXXXX	-	X	-	X	-	X	-	XXX	/Sxxx
		(a)		(b)		(c)		(d)		(e)		(f)		(g)	(h)

(a) CODING
0250

(b) WIDTH
10 = 10 mm

(c) LENGTH
001000 = 1 m
002000 = 2 m
004000 = 4 m
010000 = 10 m
020000 = 20 m
030000 = 30 m

(d) BIADHESIVE
B = supplied
N = not supplied

(e) PRINTING
P = standard
S = custom

(f) COVER STRIP
C = supplied
N = not supplied

(g) ACCURACY CLASS
100 = $\pm 85 \mu\text{m/m}$
050 = $\pm 35 \mu\text{m/m}$ (up to 30 m)

(h) CUSTOM VERSION

Document release	Date	Description
1.0	July 2024	New order code