

Series

MTA



- Flexible magnetic scale with adhesive tape
- Absolute coding
- Cover strip available on request
- Resistant to debris, liquids and oils
- MTA-A104, MTA-A153, MTA-A096, MTA-A301, MTA-A302 series



MTA

ENVIRONMENTAL SPECIFICATIONS

Protection:	IP67
Operating temperature range:	-25°C +85°C (-13°F +185°F)
Storage temperature range:	-40°C +100°C (-40°F +212°F)

MECHANICAL SPECIFICATIONS

Dimensions:	see drawing
Material:	plastoferrite and stainless steel
Accuracy class:	see order code
Thermal expansion coefficient:	16 * 10 ⁻⁶ /K
Length:	see order code

CHEMICAL RESISTANCE INFORMATION

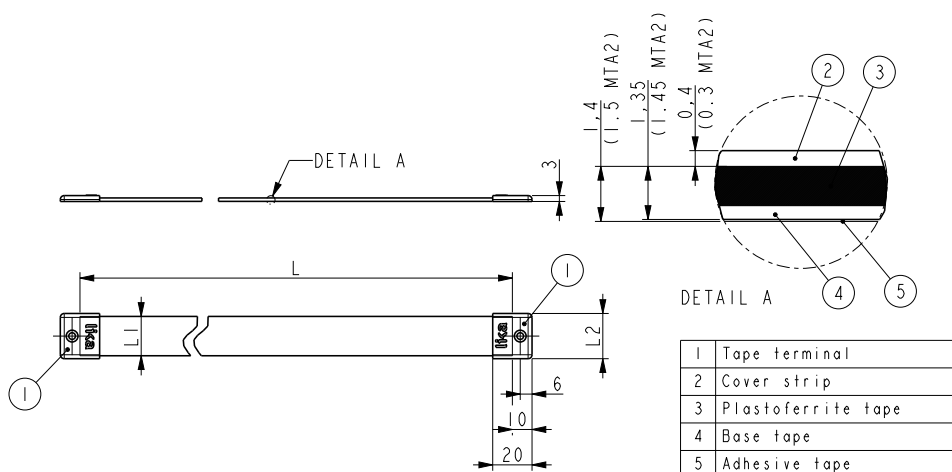
Acetone	••	Mineral / Motor oil	•
Acetylene	••	Petrol	••
Antifreeze (Glacial acetic acid)	•	Seawater	••
Benzene	•••	Steam heat	•
Heptane	•••	Thinner	•••
Kerosene	•	Turpentine	••
Ketone	•••		

• No effect or low effect •• Low to Medium effect ••• Strong effect

ACCESSORIES

KIT LKM-1440:	set of tape terminals (10 pcs)
KIT LKM-1439:	set of tape terminals (10 pcs)

MTA Series	L1	L2	Tape terminals
A104, A096	20 mm	23 mm	KIT LKM-1439
A301, A302	20 mm	23 mm	KIT LKM-1439
A153	10 mm	13 mm	KIT LKM-1440



MTA-xxxx

Order code

MTA	-	XXXX (a)	-	XX (b)	-	XXXXXX (c)	-	X (d)	-	X (e)	-	X (f)	-	XXX (g)	/Sxxx (h)
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(a) CODING A104 (MTA1) A096 (MTA5)	(c) LENGTH 000100 = 0,1 m 000200 = 0,2 m ... = ... 000500 = 0,5 m 001000 = 1,0 m	001500 = 1,5 m ... = ... 004500 = 4,5 m 005100 = 5,1 m	(d) BIADHESIVE B = supplied N = not supplied	(f) COVER STRIP C = supplied N = not supplied	(g) ACCURACY CLASS 050 = ±35 µm/m	(h) CUSTOM VERSION
(b) WIDTH 20 = 20 mm						
					(e) PRINTING P = standard S = custom	

Order code

MTA	-	XXXX (a)	-	XX (b)	-	XXXXXX (c)	-	X (d)	-	X (e)	-	X (f)	-	XXX (g)	/Sxxx (h)
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(a) CODING A153 (MTA2)	(c) LENGTH 001000 = 1 m 002000 = 2 m 003000 = 3 m 004000 = 4 m	005000 = 5 m 006000 = 6 m 007000 = 7 m 008200 = 8,2 m	(d) BIADHESIVE B = supplied N = not supplied	(f) COVER STRIP C = supplied	(g) ACCURACY CLASS 040 = ±40 µm/m 010 = ±10 µm/m (max. length 2 m)	(h) CUSTOM VERSION
(b) WIDTH 10 = 10 mm						
					(e) PRINTING P = standard S = custom	

Order code

MTA	-	XXXX (a)	-	XX (b)	-	XXXXXX (c)	-	X (d)	-	X (e)	-	X (f)	-	XXX (g)
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(a) CODING A301 (with SMAZ sensor) A302 (with SMAZ sensor)	(c) LENGTH MTAX-280 = 280 mm (ML = 200) MTAX-380 = 380 mm (ML = 300) MTAX-680 = 680 mm (ML = 600) MTAZ-1330 = 1330 mm (ML = 1250)	MTAX-280 = 280 mm (ML = 200) MTAX-380 = 380 mm (ML = 300) MTAX-680 = 680 mm (ML = 600) MTAZ-1330 = 1330 mm (ML = 1250)	(d) BIADHESIVE B = supplied N = not supplied	(f) COVER STRIP C = supplied	(g) ACCURACY CLASS 050 = ± 35µm/m	(h) CUSTOM VERSION
(b) WIDTH 20 = 20 mm						
					(e) PRINTING P = standard S = custom	
Product combination: SMAZ + MTAA301, SMAZ + MTAA302						

Document release	Date	Description
1.3	18.03.2024	MTA A153 accuracy class (010)
1.2	September 2023	New order code