

MaxiScan 2400HS Sales Guide



MaxiScan™ 2400HS

Intermec

A **UNOVA** Company

1.Introduction

The Maxiscan 2400HS is a high performance omni-directional bar code laser scanner, optimized for horizontal scanning in the retail food industry.

Its main benefits are:

- A unique and dense scan pattern for higher throughput and comfort in use. Thanks to this feature, it can be used for presentation as well as pass through scanning.
- The M2400HS is the flattest horizontal scanner available in the market place: it frees extra leg room for the operator and it also makes integration easier. The M2400HS can be integrated in almost all cash register systems.
- In an environment where scanning is extremely intensive and material brought to their limits, reliability has been optimized. Long life is also ensured by stainless steel top deck and shock proof housing suspension. With an MTBF of 30,000hrs, the M2400HS is far ahead of the competition.
- To match any customer requirement, it is possible to connect a handheld scanner, a scale or an EAS system (optional).

Please read the following document carefully: it aims to be a sales tool by providing information on the pros and cons of the M2400HS against our competitors.

2. Specification Comparison

Manufacturer:	Intermec	PSC	Symbol	Metrologic	NCR
Type	M2400HS	HS1250	LS5800	MS860i	NCR 7880
Dimensions					
Dim. (L*W*D cm)	24x20,5x7,5	23,4x19,3x8,8	15,2x15,2x7,6	17.5x17.3x9.7	16,5x16,5x7,6
Weight (kg)	2,5	2,3	1,1	2.45	1,1
Electrical					
Power supply (int./ext.)	External	External	External	External	External
Power (W)	4,8	9,7	3	8.0	7
Supply voltage (V_AC 1)	100 - 250	100 - 250	90 - 250	90 - 250	90 - 250
Environmental Specifications					
Temp. Range (°C)					
Operating	0 - +40	+10 - + 40	0 - 40	0 - 40	+10 - +40
Transport	-40 - +70	-40 - +70	?	?	-40 - +60
Relative humidity Range(non condensing)					
Operating (%)	+0 - 95	5 - 90	5 - 95	5 - 95	5 - 95
Storage/Transport (%)	+0 - 95	5 - 95	5 - 95	5 - 95	5 - 95
Indicators					
Visible (colors)	3 colors	2 colors	2 colors	2 colors	2 colors
Good Read	y	y	y	y	y
False Read	y	y	y	n	y
Read/Decoding	y	y	y	y	y
Program Mode	y	y	y	n	y
Sleep	y	y	y	n	y
Malfunction	y	?	y	?	y
Manufacturer:	Intermec	PSC	Symbol	Metrologic	NCR
Performance					
Number of scan lines:	15	18	16	20	20
H-lines	3				4
V-lines	6	9			8
D-lines	6(different diagonals)	9	16	20	8
Scan lines per sec.	1500	1200	1600	2000	2000
Scan width perpendicular to scan flow (cm)	11 *	6,3	9		9
Scan depth of field (cm) UPC 100%	15	15	15	16.5	15
Code reconstruction	y	Y	n	n	y
Fragment scanning EAN	y	y	y	y	y
Fragment scanning UPC	y	y	y	y	y
Fragment scanning JAN	y	y	y	y	y
Auto discrimination between codes	All	All	All	All	All
* Largest scan window enabling					

Manufacturer:	<i>Intermec</i>	<i>PSC</i>	<i>Symbol</i>	<i>Metrologic</i>	<i>NCR</i>
Sleep mode option					
Automatic shut-off	y	y	y	y	y
After (rng. in min) standard	0 - 30	0 - 30	0 - 30	0 - 30	0 - 30
Power up (automatic/switch)	Switch/ Automatic	n	n	Switch/ Automatic	Switch/ Automatic
Wake up time (in s)	< 2	> 2	> 2	>> 2	>> 2
Programmable					
By barcode label (y/n)	y	y	y	y	y
By download from host (y/n)	y	y	y	?	y
Upgrade capability	y	y	y	?	y
Volume range	4 settings	y	y	Y	Automatic
Tone range	4 settings	y	y	y	> 2
Codes:					
UPC-A	y	y	y	y	y
UPC-E	y	y	y	y	y
EAN 8	y	y	y	y	y
EAN 13	y	y	y	y	y
incl. EAN 2 label pairs	y	y	y	y	y
EAN 128	y	y	y	y	y
UCC 128	y	y	y	y	y
JAN 8	y	y	y	y	y
JAN 13	y	?	?	y	y
incl. JAN 2 label pairs	y	?	?	y	y
32	y				
39	y	y	y	y	y
93	Not yet	n	?	?	?
Codabar	y	y	y	y	y
MSI/Plessey	Not yet	?	?	?	?
Window					
Glass std	Tin-oxide	Tin oxide	Glass	Glass	Tin-oxide
Glass option 2	Sapphire	Sapphire	Sapphire	y (?)	DLC
Glass option 3	n	Sapphire	DLC	n	Sapphire
Inner glass sealed	y	y	n	y	y
Stainless steel top	y	n	n	y	y

Manufacturer:	<i>Intermec</i>	<i>PSC</i>	<i>Symbol</i>	<i>Metrologic</i>	<i>NCR</i>
Scale					
Scale option (y/n)	y	y	n	?	y
Added as upgrade (y/n)	y	y	?	?	y
Scale capacity ,(kg) /class type	15 Kg	?	?	?	15 Kg
Weight sensor type	Double sealed load cell *)	?	?	?	Single sealed load cell
Multi interval	y	?	?	?	n
Min. increment (kg) 0-6 kg	2 gram	?	?	?	x
Min. increment (kg) 6-15 kg	5 gram	?	?	?	x
Zero reset	y	?	?	?	y
Automatic zero tracking	y	?	?	?	y
Interface for LCD display	y	?	?	?	y
* Double load cells create a fast transient response. (Compatible with Teraoka scale, creating the slimmest scale available in the market place)					
Device Support					
Auxiliary connection for:					
2nd scanner	yes	y	y	y	y
Hand held scanner	yes	y	y	y	y
EAS deactivation:					
Passive	yes	?	y	?	y
Active	yes	?	y	?	?

3. Comments from the above comparison

If we consider scan patterns, we can notice that the M2400HS has the largest width compared to its competitors.

The scan window is about 50% larger than its competitors. Result is less need for the operator to position items; therefore a higher throughput can be achieved.

The scan lines emerge perpendicular from the scan window: real vertical scan lines make it unnecessary to lift and tilt items so operator fatigue is reduced.

The M2400HS has been designed with a unique scan pattern, allowing presentation and pass through scanning. It makes bar code reading very easy and very intuitive. The angle of the scan window further enhances the scan performance.

Because scan lines are projected in front of the scanner it reads swifter than competitor scanners.

The M2400HS can also be installed in a scale housing, giving the customer the opportunity to scan and weigh in one solution.

All electronic components are integrated on two boards, increasing reliability.

The unique decoding technology, also available in the M2300VS and 2500DP, allows it to easily read difficult, out of spec and damaged codes.

The M2400HS is the slimmest horizontal scanner available in the market place.

M2400HS Scan Pattern

