

# Manual projection screens

## Top quality crank-operated projection screen

The Hapro manual is a high-end manual projection screen. Thanks to its crank mechanism, the Hapro manual is reliable and easy to operate, even if mounted high on the ceiling. Automatic screen roll-down and roll-up stops help increase the life of the screen. This makes the Hapro manual ideally suited for intensive projection applications where an electrical connection is impossible or undesirable.

**High-quality crank-operated projection screen.**

**Automatic roll-down and roll-up stops.**

**Aluminum crank with fold-away handle.**

**Wide selection of high-quality, seamless screens.**

**Black borders for adding extra contrast to the image.**

**Modern design and colours.**

**Easy to mount on wall or ceiling.**



**Accessories:**

- ▶ Ceiling brackets
- ▶ OHP extension arms
- ▶ Wall clamps

See page 34/35 for further details.



**IPROJECTAI**

## Hapro manual

▶ **High-quality projection screen fabric.**

The Hapro manual is available with a wide range of screen fabrics. All types of screen fabric are seamless, made of glass fibre and fitted with black borders. The following types and grades of screen fabric are available:

Screen fabrics / Quality	Strong	Extra heavy
<p><b>Diffusion</b> For clear, true-to-life colours in a large viewing angle.</p> <p><b>Matte white S</b> 462 gr/m<sup>2</sup> black rear side</p>		<p><b>Matte white M</b> 780 gr/m<sup>2</sup></p>
<p><b>Reflective</b> The perfect combination of increased reflection and better than average viewing angle. Ideal for video and data projection.</p> <p><b>Datalux S</b> 465 gr/m<sup>2</sup> black rear side</p>		<p><b>Datalux M</b> 850 gr/m<sup>2</sup></p>
<p><b>Retro-reflective</b> Screen fabric with the highest possible reflection value. Ideal for projection in environments with a high degree of ambient light.</p> <p><b>High Power</b> 680 gr/m<sup>2</sup> black rear side</p>		

▶ **Attractive combination of easy assembly and design.**

To allow almost invisible integration of the Hapro manual in the presentation room, it is housed in a taut, square case in a white (RAL 9016) finish. A striking feature is the triangular slat bar that shuts off the case when the screen has been rolled up. The Hapro manual is easy to mount on wall or ceiling. The brackets are concealed by plastic covers. The Hapro manual: attractive design down to the last detail.

Screen size in cm	Viewing size in cm	Nominal diagonal	Screen fabrics				
			Matte white S	Datalux S	Matte white M	Datalux M	High Power
<b>Hapro manual - format 1:1</b>							
160x160	151x151		PSMHS 001	PSMHS 002	PSMHS 003	PSMHS 004	PSMHS 005
180x180	173x173		PSMHS 006	PSMHS 007	PSMHS 008	PSMHS 009	PSMHS 010
200x200	195x195		PSMHS 011	PSMHS 012	PSMHS 013	PSMHS 014	PSMHS 015
220x220	215x215		PSMHS 016	PSMHS 017	PSMHS 018	PSMHS 019	
240x240	230x230				PSMHS 020	PSMHS 021	
280x280	270x270				PSMHS 022	PSMHS 023	
300x300	290x290				PSMHS 024	PSMHS 025	
<b>Hapro manual - format 4:3</b>							
138x180	126x168	213cm/ 84"	PSMHV 001	PSMHV 002	PSMHV 003	PSMHV 004	PSMHV 005
153x200	143x190	254cm/100"	PSMHV 006	PSMHV 007	PSMHV 008	PSMHV 009	PSMHV 010
183x240	173x230	305cm/120"			PSMHV 011	PSMHV 012	PSMHV 013
213x280	203x270	355cm/140"			PSMHV 014	PSMHV 015	
228x300	218x290	380cm/150"			PSMHV 016	PSMHV 017	
<b>Hapro manual - format 16:9</b>							
117x200	107x190	234cm/ 92"			PSMHW 007	PSMHW 008	
139x240	129x230	269cm/106"			PSMHW 001	PSMHW 002	
173x300	163x290	338cm/133"			PSMHW 004	PSMHW 005	

See page 24/25 for technical specifications.