

# FL 505HV-G

## The versatile dual grade laser



ROTATING LASER



- » **Improved performance utilising PowerSwitch-Technology:**  
The power of a class 3R in a class 2 laser.
- » **4 mm laser beam diameter for optimised compatibility with our FMR 700/800 over long distances**
- » **Now with receiver FR 77-MM with mm-Indication as standard**
- » Fully automatic self-levelling in horizontal, vertical and grade
- » Slope functions horizontal:
  - Digital grade setting of X and Y axis up to  $\pm 10\%$
  - Manual slope setting of X and Y axis
- » Slope functions vertical:
  - Direction of X axis can be set up to  $\pm 10\%$  with Y axis self-levelled
  - Direction of X and Z axis can be set manually
- » Automatic TILT function
- » VWS function (Vibration-Wind-Security)
  - Rotation will not be stopped due to light ground and wind vibrations (combined with TILT function)
- » Fully functional 9-channel 2-way RF remote control
- » Li-Ion battery technology

TECHNICAL DATA	FL 505HV-G
Self-levelling range	$\pm 8^\circ$
Accuracy horizontal	$\pm 0.5 \text{ mm} / 10 \text{ m}$
Accuracy vertical	$\pm 1 \text{ mm} / 10 \text{ m}$
Working range with receiver $\varnothing$ FR 45	1200 m
receiver $\varnothing$ FR 77-MM	800 m
Scanning w/o receiver	60 m*
Rotating w/o receiver $\varnothing$	60 m*
Laser diode / Laser class	2
Scanning ranges	$0^\circ, 10^\circ, 45^\circ, 90^\circ, 180^\circ$
Horizontal slope setting	
X axis	$\pm 10.000\%$
Y axis	$\pm 10.000\%$
X and Y axis	$\Sigma \pm 14\%$
Vertical slope setting	
X axis	$\pm 10.000\%$
Y(Z) axis	horizontal self-levelled
Rotating speed	300 / 600 / 1100 rpm
Operating time	40 h
Power supply	intelligent / Li-Ion Alkaline batteries (optional)
Remote control range	150 m
Remote control channels	9
Temperature range	$-10^\circ\text{C} - +50^\circ\text{C}$
Dust / water protection	IP 66
Weight (instrument only)	3.85 kg

- 1 Including receiver FR 77-MM
- 2 With 360° horizontal fine adjustment bracket
- 3 With 9-channel 2-way RF remote control
- 4 Complete kit supplied in container



SUPPLIED WITH	FEATURES
FL 505HV-G + FR 77-MM	
ART.-NO. 231025	
<ul style="list-style-type: none"> <li>· Receiver FR 77-MM with clamp</li> <li>· 2-Way RF Remote ctrl</li> <li>· Li-Ion battery &amp; charger</li> <li>· Vertical mount</li> <li>· Telescope</li> <li>· 360° horizontal fine adjustment bracket</li> <li>· Container</li> </ul>	<ul style="list-style-type: none"> <li>· Dual Axis Laser</li> <li>· Horizontal and vertical</li> <li>· Digital grade adjustment</li> <li>· Monitored display</li> <li>· TILT function</li> <li>· VWS function</li> <li>· 90° beam to zenith</li> <li>· Illuminated display</li> <li>· 2 way RF remote control</li> <li>· Manual function</li> <li>· 4-step scanning function</li> <li>· Operation with rechargeable Li-Ion or alkaline batteries</li> <li>· Dust / water protection IP 66</li> </ul>