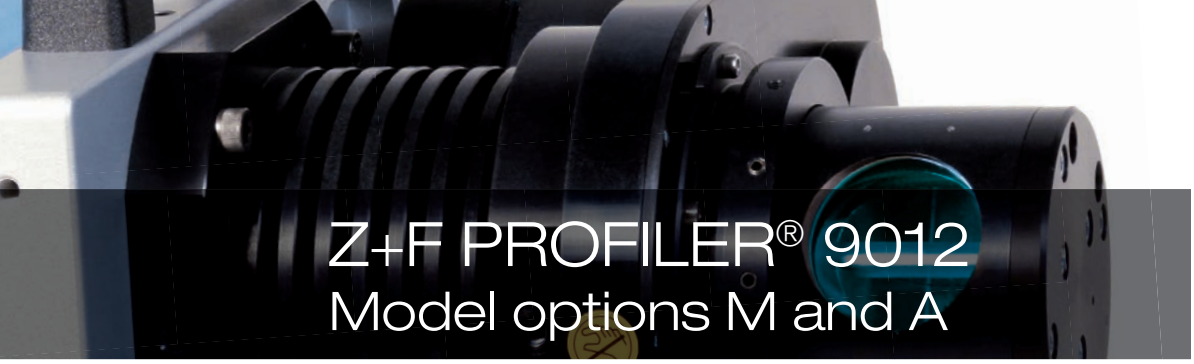

# Z+F PROFILER® 9012
## Model options M and A

**The Z+F PROFILER® 9012 is a compact, phase based laser scanner with high accuracy, range and a 360° field of view. With its scan rate of 1 million points per second and a maximum scan speed of 200 profiles/sec., very short distances between profiles can be achieved even at high speeds.**

### Additional technical specifications of the Z+F PROFILER® 9012M

| Lasersystem in Marker Mode | |
|---|---|
| Laser class | • 3R (according to EN60825-1/ANSI Z 136.1), with active marker mode<br>• 1 (according to EN60825-1/ANSI Z 136.1), without marker mode or with active marker mode at distances >2m (NOHD)* |
| Wave length | 635 nm |
| Pulse duration | 185 µs |
| Repetition rate | 49 Hz |
| Peak output power | < 6 mW |
| NOHD (Nominal Ocular Hazard Distance) | 2 m |

All further technical data is similar to the standard Z+F PROFILER® 9012.

* Please contact Z+F for further information

### Additional technical specifications of the Z+F PROFILER® 9012A[1]

| Z+F PROFILER® 9012A (Advanced) | | | |
|---|---|---|---|
| Target Distance | White (80%)[2] | Grey (37%)[2] | Black (14%)[2] |
| 1 Sigma Range Noise, 0,5 m | 0,5 mm | 0,8 mm | 1,3 mm |
| 1 Sigma Range Noise, 1 m | 0,4 mm | 0,5 mm | 0,9 mm |
| 1 Sigma Range Noise, 2 m | 0,2 mm | 0,3 mm | 0,4 mm |
| 1 Sigma Range Noise, 5 m | 0,2 mm | 0,3 mm | 0,5 mm |
| 1 Sigma Range Noise, 10 m | 0,2 mm | 0,3 mm | 0,5 mm |
| 1 Sigma Range Noise, 25 m | 0,4 mm | 0,6 mm | 1,1 mm |
| 1 Sigma Range Noise, 50 m | 0,9 mm | 1,4 mm | 3,1 mm |

All further technical data is similar to the standard Z+F PROFILER® 9012.

1. For static applications when the laser scanner carrier is not moving, please contact Z+F.
2. Range Noise (1-Sigma interval) is specified at 127 KHz data rate, which is the standard data rate for any Z+F noise specs. Detailed explanation on request – please contact info@zf-laser.com