## Description


*dPP*

We are experts in non-contact wheel alignment: we have been manufacturing and selling our 3D measurement probes worldwide for over 15 years. We are constantly developing our product range and have the perfect measurement probe for every application.

**Benefits for our customers**

- The right product for every application
- Proven and reliable measurement technology and software
- All models are insensitive to ambient light

Our probes work according to the principle of stereophotogrammetry, i. e. 2 synchronized cameras take images of the illuminated tire and use them to generate a 3D model from which all relevant chassis parameters such as toe and camber can be determined reliably and quickly.


*dPP* Twin


*Visi*Scan

We currently offer three different 3D measurement probes: the classic *dPP* in three different sizes, its little sister *dPP* Twin and our latest probe *Visi*Scan. All three offer the accustomed VisiCon quality and reliability, but each stands out particularly in its special area of application: the classic *dPP* is available in different versions for a wide range of tire sizes, while the *dPP* Twin with its short measurement distance is particularly suitable for (retrofitting) older wheel alignment systems with limited space. With its modern laser scanner technology, the *Visi*Scan only illuminates relevant image areas, thus offering a better signal-to-noise ratio and making it particularly suitable for vehicles with highly reflective rims.

## Order numbers

| | Order number |
|---|---|
| ***Visi*Scan** | B253163 |
| ***dPP* 32** | B252322 |
| ***dPP* 40** | B252576 |
| ***dPP* 48** | B252601 |
| ***dPP* Twin** | B275098 |





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# Technical Data

| | *Visi*Scan | *dPP* 32 | *dPP* 40 | *dPP* 48 | *dPP* Twin |
|---|---|---|---|---|---|
| **Dimensions (H x W x D)** | 744 mm x 300 mm x 125 mm | 744 mm x 300 mm x 125 mm | 744 mm x 300 mm x 125 mm | 744 mm x 300 mm x 125 mm | Probe (with base plate): 584 mm x 205 mm x 110 mm<br>Central unit: 403 mm x 285 mm x 114 mm |
| **Weight** | 12,5 kg | 14,5 kg | 15 kg | 15,5 kg | Measuring head (single): approx. 8 kg<br>Central unit: approx. 7 kg |
| **Weight incl. packaging** | approx. 13,5 kg | approx. 15,5 kg | approx. 16 kg | approx. 16,5 kg | Measuring head (single): approx. 9 kg<br>Central unit: approx. 8 kg |
| **HS code** | 90319000 | 90319000 | 90319000 | 90319000 | 90319000 |
| **Power supply** | 24 V DC ±20 % | 24 V DC ±20 % | 24 V DC ±20 % | 24 V DC ±20 % | 24 V DC ±20 % |
| **Starting current** | < 10 A | 5 A | 5 A | 5 A | 5 A |
| **Power consumption** | 60 W (max. 100 W) | 31 W (max. 40 W) | 36 W (max. 48 W) | 41 W (max. 57 W) | 31 W (max. 40 W) |
| **Measurement frequency** | 40 Hz (20 differential images per second) | 40 Hz (20 differential images per second) | 40 Hz (20 differential images per second) | 40 Hz (20 differential images per second) | 40 Hz (20 differential images per second) |
| **Reproducibility on measurement standard** | Toe ±0,1'<br>Camber ±0,2' | Toe ±0,1'<br>Camber ±0,2' | Toe ±0,1'<br>Camber ±0,2' | Toe ±0,1'<br>Camber ±0,2' | Toe ±0,1'<br>Camber ±0,2' |
| **Accuracy on measurement standard** | Toe ±1'<br>Camber ±2' | Toe ±1'<br>Camber ±2' | Toe ±1'<br>Camber ±2' | Toe ±1'<br>Camber ±2' | Toe ±1'<br>Camber ±2' |





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| | *Visi*Scan | *dPP* 32 | *dPP* 40 | *dPP* 48 | *dPP* Twin |
|---|---|---|---|---|---|
| **Protection type according to DIN EN 60529** | IP54 | IP 54 | IP 54 | IP 54 | IP 54 |
| **Laser class according to DIN EN 60825-1** | 2M | 2M | 2M | 2M | 2M |
| **Wave length** | 658 nm | 655 nm | 655 nm | 655 nm | 655 nm |
| **Operating distance** | 1000 mm ±200 mm<br>on request -300 mm or +400 mm | 1000 mm ±200 mm,<br>on request +400 mm | 1000 mm ±200 mm,<br>on request +400 mm | 1000 mm ±200 mm,<br>on request +400 mm | 420 mm-620 mm |
| **Operating area of the cameras (typical)** | Height 690 mm,<br>width 800 mm (at 800-1200 mm operating distance) | Height 690 mm,<br>width 800 mm (at 800 operating distance) | Height 690 mm,<br>width 800 mm (at 800 operating distance) | Height 690 mm,<br>width 800 mm (at 800 operating distance) | Height 280 mm,<br>width 330 mm (at 420 mm operating distance)<br>Height 265 mm,<br>width 479 mm (at 620 mm operating distance) |
| **Illumination height on tire** | Corresponds to the field of view of the cameras | 384 mm | 480 mm | 576 mm | 288 mm |
| **Interfaces** | Ethernet 1 GB/s<br>Communication GBit Interface<br>Industrial connector: Harting | Ethernet 1 GB/s<br>Communication GBit Interface<br>Industrial connector: Harting | Ethernet 1 GB/s<br>Communication GBit Interface<br>Industrial connector: Harting | Ethernet 1 GB/s<br>Communication GBit Interface<br>Industrial connector: Harting | Ethernet 1 GB/s<br>Communication GBit Interface<br>Industrial connector: Harting |
| **Temperature range** | 0 °C–40 °C | 0 °C–45 °C | 0 °C–45 °C | 0 °C–45 °C | 0 °C–45 °C |
| **Humidity** | Up to 90 %,<br>not condensing | Up to 90 %,<br>not condensing | Up to 90 %,<br>not condensing | Up to 90 %,<br>not condensing | Up to 90 %,<br>not condensing |





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# Accessories

| Name and information | Order number |
|---|---|
| Mounting | Depending on the probe model |
| Calibration target | Depending on the probe model |
| *Visi*WheAl software license | B293093 |
| *Visi*WheAl truck software license | B293095 |
| Training | On request |
| Measurement PC | On request |





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