

## LPR<sup>®</sup>-2D

## Precise Position Detection Indoors and Outdoors

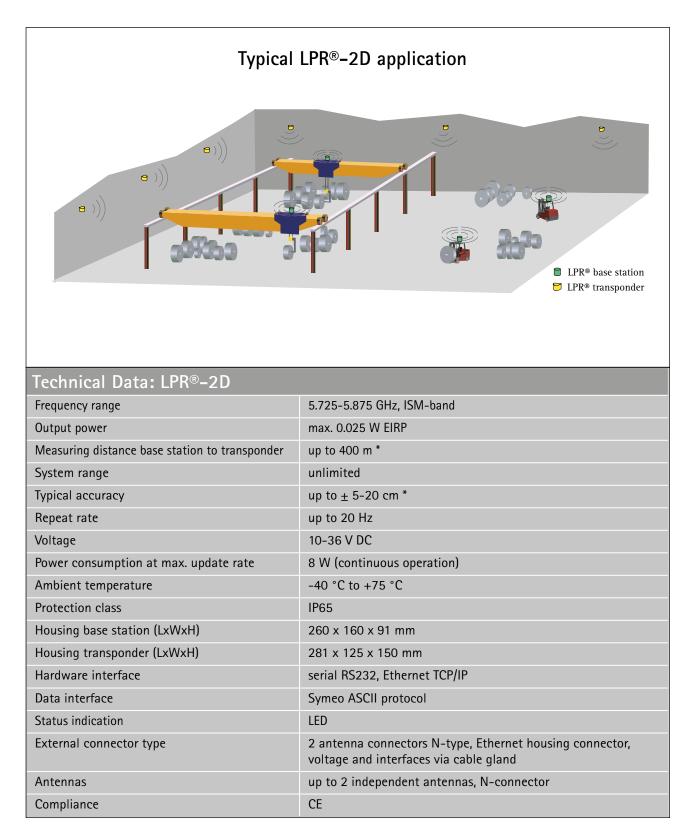
LPR®-2D is an all-purpose measurement unit designed for precise 2D indoor or outdoor localization by radar signals. It is ideally suited for vehicle, forklift and crane positioning.

The LPR®-2D components are extremely robust and maintenance-free. The highly-precise measurement unit directly determines the position of the moving object by utilizing stationary local reference markers (LPR®-2D transponder). The transponders are maintenance-free and can be installed either indoors or outdoors. An area as large as 100,000 square meters (approximately 300 m x 300 m) can be covered with just six transponders.

The LPR®-2D measurement unit features a flexible design that permits the capture and analysis of additional sensor data such as weight, lift height or loading status, depending on the application. The reliability of the maintenance-free sensors is unaffected by heavy dirt and grime or by the vibrations that typically result from rough and bumpy crane/vehicle operations.

Symeo LPR®-2D uses the international license-free 5.8 GHz ISM-band. WiFi data networks can be operated in parallel at any time without the risk of interference.

- Precise position detection indoors and outdoors
- Contact-less measurement via radio waves
- Unlimited system range
- Unaffected by contamination, weather and vibration
- Simple installation and commissioning
- Suitable for all vehicle and crane types
- Maintenance-free



\* based on sufficient LPR® transponders with required signal quality available