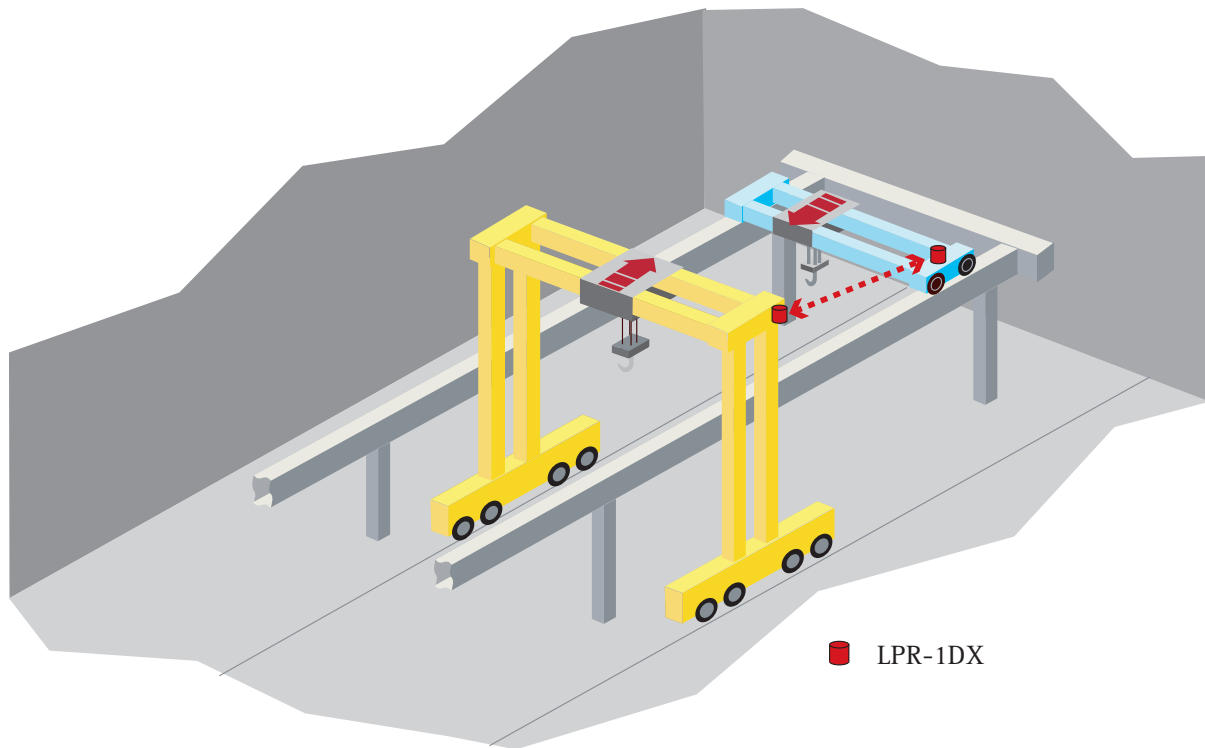


# Distance Measurement and Anti-collision



Available in the UK and Ireland only from  
**CL CRANE CARE LTD**

## Data Sheet 4



### LPR-1DX

#### Universal distance measurement

- Contact-free measurement via radio waves
- Simultaneous transfer of user data
- Unaffected by contamination, vibration or the weather
- Usable indoors and outdoors
- No precise alignment necessary
- Easy to configure
- Redundant system set-up for high-security applications
- No additional operating or maintenance costs

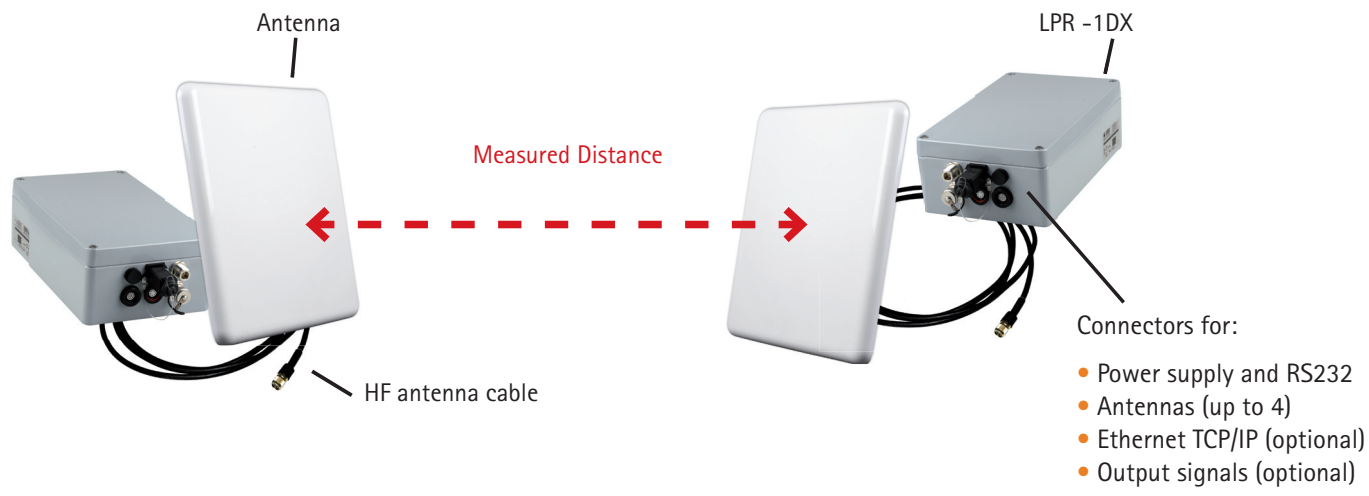
To avoid collisions or prohibited approaches, LPR sensors measure the distances between moving objects.

LPR also determines the relative speed between the two objects being measured. This can be used, for example, to vary shut-off points during an approach.

The measured values are available on both LPR-1DX units at the respective device interfaces.

With the integrated Symeo Basic parametrisation software, switching points can be easily determined based on position and speed. The switching criteria is freely configurable and, when set limits are reached, contacts can be opened via the optional built-in switching relays based on the direction of travel.

A radio data network (WLAN) can be operated at the same time with no interference.



### Technical Data: LPR-1DX

Frequency range	5,725-5,875 GHz, license-free ISM-band
Output power	Max. 0,025 W EIRP
Measuring distance	Up to 1800 m *
Typical accuracy	Up to $\pm 5$ cm *
Repeat rate	Max. 30 Hz
Voltage	10-36 V DC
Power consumption	4-8 W at max. update rate
Ambient temperature	-40 °C to +75 °C
Protection class	Up to IP65
Housing dimensions (LxWxH)	260 x 160 x 91 mm
Hardware interface	Serial RS232, TCP/IP (optional), 7x dry contacts (optional, rating: max. 10 W, max. 200 VDC, max. 0,5 A)
Data interface	Syneo binary protocol
User data transfer rate	8 bytes/cycle, up to 800 byte/s
External connector type	Plug
Antenna(s)	Up to 4 antennas, N-Connector
Compliance	CE mark

\* depending on the type of antenna