

# PRS 90

## Multi-Sensor Indicator



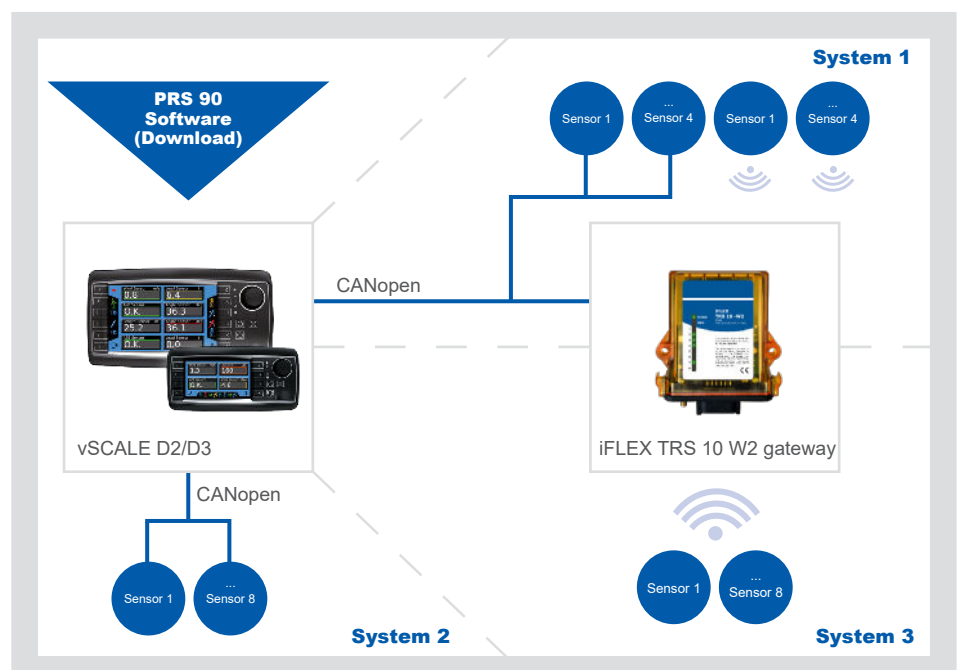
### General Information

The PRS 90's flexible design allows for monitoring single or multiple wireless and/or hardwired sensors. The sensor inputs are displayed on a color graphic display which is capable of monitoring and displaying the status of up to eight sensors at one time.

### Product Features

- 4.3" or 7" color graphic display with 2.4 GHz wireless technology
- Monitors the status of up to 8 sensors at one time
- Any combination of wireless and/or hardwired sensors
- Displays up to 8 sensor values at one time
- Sensors include load, boom angle, wind speed, and anti-two block
- Operator pre-set limits with audible and visual warning
- Installs quickly and easily
- Meets industry standards for indicating devices
- For use in hydraulic, lattice, industrial, port, harbor & offshore crane applications

### PRS 90 Systems



## ➤ Gateway

### TRS 10 W2 Wireless Transceiver

- Wireless to CAN gateway
- Connects up to eight sensors
- Easy CAN Bus configuration
- IP66/67 rating
- Supply voltage between 10...30 V DC



## ➤ Wireless Sensor Options

### Wireless Wind Speed Sensor

- Three-cup wind speed sensor
- Operating in adverse environments
- Quick pivot pedestal mount for quick and easy installation
- Accuracy: 1 mph
- Full scale: 25 mph



### Wireless Anti-Two Block Switch

- Quick & easy installation
- Moves easily between mainboom & jib
- Rugged design (sealed & potted)
- Mounts to existing A2B hole pattern
- Uses proven PAT A2B Switch



### Wireless Angle Sensor

- Accuracy of 0,5°
- Compact and durable design
- Wide temperature range



### Wireless Load Cell

- Load measured to an accuracy of 1 %
- Easy installation on headache ball or hook block (dead end)
- Capacity: 3 to 15 t
- Durable stainless steel design



## ➤ Hardwired Sensor Options

### fSENS F73x1 - Load Cell

- Compact and robust design
- Capacity: 10 t and / or 20 t
- Adaptable to any application
- Modular structure: steel bushing, ball bearings of different diameters



### fSENS SKM - Line Rider

- Force measurement for running cables
- Size options: 1/2", 5/8", 3/4", 7/8", 1", 1 1/8"
- Simple retrofit without need for structural change
- Minimal structural height
- Minimal cable wear due to minimal deviation angle



### iSENS HES - Anti-Two Block Switch

- Assists in reducing equipment damage by preventing the hook block from contacting the boom tip on cranes and other lifting equipment.
- Electrical switch element is completely sealed in the housing
- Corrosion-proof, light metal alloy housing



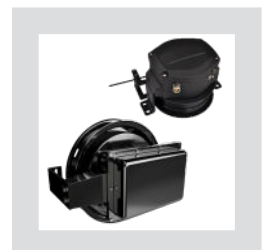
### gSENS WGX 360 - Angle Sensor

- Measuring range: +/-180°
- Interface: CANopen interface
- Operating temperature: -40°C to +85°C
- Protection Class: IP69k (connected) EN 60529



### gSENS LWG - A2B Length & Angle Reel

- Options: Short boom (49' tele, 72' total)/Long boom (114' tele, 137' total)
- Length range: up to 55 m
- Angle range: -90° to +90°/-180° to +180°
- Output signal: 4...20 mA/CANopen
- Supply voltage: 9...36 V DC/16...30 V DC/10...30 V DC
- Protection class: IP66/67
- Temperature range: -40°C to +70°C



## ➤ Hardwired Camera Option

### Hardwired Camera Option

- Horizontal or vertical camera orientation
- Shock and vibration resistant
- IP68/IP69k protection class rating
- Operating temperature: -40°C to +85°C
- Kit Includes:
  - Orlaco (FAMOS) camera
  - Magnetic camera mount
  - Cable assemblies



# Worldwide



## **We make lifting loads safer!**

As an experienced specialist, we have spent many years providing reliable safety solutions for lifting loads, setting innovative standards in the process and ensuring dependable communication between machines and their operators, particularly in harsh environments.

By developing application software, mobile controllers and robust sensors, we ensure that our customers benefit from maximum safety and equipment uptime.

We are system integrators, supporting our customers through all project phases: from

analysis and concept evaluation, through system design and project planning to prototype testing and field launches. Our safety experts support certification processes and are available for seamless life cycle management.

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### **WIKA Mobile Control GmbH & Co. KG**

Hertzstr. 32-34  
76275 Ettlingen, Germany  
Phone: +49 (0)7243 709-0  
sales.wmc@wika.com  
www.wika-mc.com

### **USA WIKA Mobile Control LP**

Phone: +1 717 263 7655  
sales.us.wmc@wika.com

### **China Xuzhou WIKA Electronics Control Technology Co. Ltd.**

Phone: +86 (0) 516 8788 5799  
info@wika-mc.cn

**Check out our global  
partner network online:  
[www.wika-mc.com](http://www.wika-mc.com)**

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