



Radarsensor & Accessories

Product information sheet with application examples



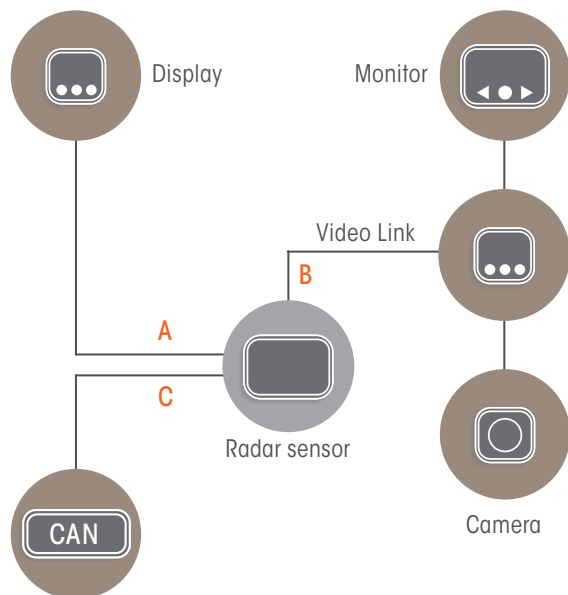
Example of the Sample System configuration



Radar sensors provide an additional monitoring option for a machine's environment.

Should an object or person enter the machine's path of travel, the operator is alerted by acoustic alarms and therefore able to react immediately. The alarm tone frequency as well as visual indicators let the operator know what the distance to the object is. If a camera system is used as well, the situation can easily be assessed by looking at the monitor.

The sensors supplied by our partner PRECO electronics have been successfully employed in construction and earth-moving equipment for many years and are capable of detecting relevant close-proximity and long-distance areas of the machine. Detection ranges of three, four and a half, six and ten meters are standard for the majority of the applications, however, ranges of up to 30 meters are also feasible.



Our vision ... is safety!



Radar sensor and In-Cab display

1

Frequency range	24 GHz
Operating voltage	9 - 33 V
Measurements	103 mm x 124 mm x 33 mm
Temperature range	-40 °C to +85 °C
Protection class	IP 69K
Vibration resistance	25 G



7" MEKRA LED monitor

2

Resolution	800 x 480 Pixel
Camera inputs	4, split screen possible
Protection class	IP 65
Operating voltage	9 - 36 V
Aspect ratio	7" / 16:9
Video format	PAL/NTSC (automatically)
Power consumption	ca. 10 W
Day / night switching	automatic via sensor



Depending on the requirements, individual settings in detection depth and width are possible
Contact us



Video link for display on the monitor

Operating voltage	9 - 33 V
Measurements	130 mm x 118 mm x 36 mm
Temperature range	-40 °C to +85 °C
Vibration resistance	25 G
Warning	optical and acoustic



CMOS camera

3

Vibration resistance	50 G
Operating voltage	10 - 36 V
Measurements	65 mm x 59 mm x 50 mm
Aperture angles	28°/50°/70°/100°/120°/130°
Video format	PAL or NTSC
Temperature range	-40 °C to +85 °C
Protection class	IP 69K



Our vision ... is safety!

More information:



MEKRAtronics GmbH

Buchheimer Str. 4
91465 Ergersheim
Germany

info@mekratronics.de
www.mekratronics.de

