

# Mobile Electronics



## Easy and Effective Hydraulics Systems Control

Rexroth has the electronic components – including sensors, microprocessors, displays, software and more – to give you true intelligent electro-hydraulic solutions for your mobile applications, including specialized BODAS controllers, tools and sensors. Whether your application involves agriculture, forestry, material handling, construction or commercial vehicles our electronic products will help you meet the challenge.

*To go directly to a specific type click on one of the titles below.*



**BODAS RC Controllers**



**BODAS Application Software**



**BODAS Tools**



**BODAS Sensors**



**Analog Amplifier**



**BODAS Display & Camera**



**BODAS Joysticks**

# Mobile Electronics



## BODAS RC Controllers

Rexroth BODAS RC electro-hydraulic controllers feature high-end electronic capabilities for mobile systems/applications, including pulse-width modulated (PWM) current regulation and downloadable software, as well as a complete spectrum of product choices for today's electro-hydraulic control applications.

*Click the data sheet numbers to open the PDF file.*

BODAS RC Controllers				
Product Photo	Model	Description	Size	Data Sheet
	RC Series 20	<b>BODAS RC Controllers for closed and open loop control of hydraulic components</b>	2-2, 4-4, 6-9, 12-18	RE 95 200
	RC Series 22		4-6, 8-8, 12-8	RE 95 202
	RC Series 30		36-20	RE 95 203
	RC Expansion		RCE 12-4	RE 95 220

**Click here for  
 GoTo Products:**  
*Focused Delivery  
 Program*

# Mobile Electronics



## BODAS Application Software

BODAS application software from Bosch Rexroth gives you precise electronic control of common mobile systems such as load limiting, hydraulic pump and motor speed control, hydrostatic fan drives, and much more. BODAS software is flexible – many packages are available in several varieties, and can be adjusted or customized for specific applications.




*Click the data sheet numbers to open the PDF file.*

BODAS Application Software			
Product Photo	Model	Description	Data Sheet
	SPC	Speed Control Software	RE 95 300
	LLC	Load limiting Control Software	RE 95 310
	DRC	Drive Control Software	RE 95 320

**Click here for**  
**GoTo** Products:  
*Focused Delivery  
Program*

# Mobile Electronics

*Click the data sheet numbers to open the PDF file.*

BODAS Application Software – continued			
Product Photo	Model	Description	Data Sheet
	DPC	Dual Path Control Software	RE 95 325
	VAC	Valve Control Software	RE 95 351
	AFC	Fan Control Software	RE 95 360

**Click here for**  
**GoTo** Products:  
*Focused Delivery  
Program*

# Mobile Electronics







## BODAS Tools

*Parameterization and Diagnostics with BODAS-service.* A PC based software system that can be used to setup and diagnose BODAS Controllers by viewing machine values, parameters and error messages in plain text. You can use additionally the BODAS Flashtool to load application software from the PC onto a BODAS controller via the serial or CAN interface.

*Programming with BODAS-design or BODAS C-API.* BODAS-design is a development environment for the programming of BODAS controllers. Use this tool to create software on a graphical PC interface in the programming languages of the IEC61131-3 standard.

*Click the data sheet numbers to open the PDF file.*

BODAS Tools			
Product Photo	Model	Description	Data Sheet
	BODAS Service	<b>BODAS Service, Ver. 3.X</b> PC Software for parameterization and diagnostics	RE 95 086
	MA	<b>BODAS Measuring Adapter</b>	RE 95 090
	TB3	<b>BODAS Test Box</b>	RE 95 092
	BODAS Design	<b>BODAS Design, Ver. 3.0</b> Development environment according to IEC 61131-3	RE 95 112

**Click here for**  
**GoTo** Products:  
*Focused Delivery  
Program*






# Mobile Electronics



## BODAS Sensors

Rexroth BODAS sensors detect speed, inductive speed, angle of rotation, temperature of air and oil, inductive angle, draft, and more – even metallic impurities in oil – putting you in touch with every aspect of your mobile hydraulic system. These easy-to-install sensor solutions offer features that help hydrostatic systems operate at peak efficiency in virtually any application.

*Click the data sheet numbers to open the PDF file.*

BODAS Sensors			
Product Photo	Model	Description	Data Sheet
	ID	<b>Inductive Speed Sensors, Series 2</b> For frequency proportional speed measurement	RE 95 130
	DSM	<b>Speed Sensor</b>	RE 95 132
	HDD	<b>Hall-Effect Speed Sensor, Series 2</b> Dual sensor for contactless speed measurement	RE 95 135
	PR2	<b>Pressure Sensor, Series 10</b>	RE 95 138
	WS1	<b>Angle of Rotation Sensor, Series 10</b>	RE 95 140

**Click here for**  
**GoTo** Products:  
*Focused Delivery*  
*Program*

# Mobile Electronics

*Click the data sheet numbers to open the PDF file.*

BODAS Sensors – continued			
Product Photo	Model	Description	Data Sheet
	AN2	Hall Effect Angle Sensor, Series 3 for use with electric hydraulic hitch control	RE 95 143
	TS	Temperature Switch, Series 1	RE 95 145
	VS	Contamination Switch, Series 2 For detecting metallic impurities in oil	RE 95 148
	PO1	Inductive Position Sensor, Series 2 Inductive sensor for position measurement	RE 95 160
	INC	Inclination Sensor	RE 95 166
	KMB	Draft Sensor, Series 3 Sensor for draft measurement	RE 95 170
	TSF	Fluid Temperature Sensor	RE 95 180
	TSA	Air Temperature	RE 95 181

**Click here for  
GoTo Products:**  
*Focused Delivery  
Program*


# Mobile Electronics



## Analog Amplifier

The RA analog amplifier from Rexroth meets many mobile hydraulics electronics needs, contributing to electro-hydraulic control, reliability, durability, and flexibility in every application.

*Click the data sheet numbers to open the PDF file.*

Analog Amplifier			
Product Photo	Model	Description	Data Sheet
	RA	Amplifier	RE 95 230

**Click here for**  
**GoTo** Products:  
*Focused Delivery  
 Program*






# Mobile Electronics



## BODAS Display & Camera

Rexroth BODAS display products offer both hardware and software solutions for intelligent electro-hydraulic control, helping users keep in touch with a complete range of mobile vehicle systems. The BODAS line gives you full, robust functionality for your most demanding applications.

*Click the data sheet numbers to open the PDF file.*

BODAS Display & Camera			
Product Photo	Model	Description	Data Sheet
	DI2	<b>For displaying process variables, data input and diagnosis</b> Series 12	RE 95 089
	DPS	<b>Programming software for DI2</b> PC-Software, Version 10	RE 95 105
	DI3	<b>Multifunction color display for mobile applications (6.5" VGA)</b> Series 10	RE 95 270
	DCT	<b>Display configuration tool for DI3</b>	RE 95 271
	CAM	<b>Color video camera</b>	RE 95 280

**Click here for**  
**GoTo** Products:  
*Focused Delivery  
Program*

# Mobile Electronics






## BODAS Joysticks

The electronic joysticks form the user interface in the BODAS system. The joysticks specify the setpoints and actions for the controllers. There are two different series available in the BODAS system for various applications. The THE5 electronic joystick is designed for robust applications in mobile equipment and is used especially in earthmoving equipment.

Due to its compact size, the EJ electronic joystick can be installed in arm rests and is, thus, particularly well suited for use in tractors and lift trucks.

*Click the data sheet numbers to open the PDF file.*

BODAS Joysticks			
Product Photo	Model	Description	Data Sheet
	HG	Hand level potentiometer	RE 95 041
	THE5	Electronic pilot control device	RE 29 881
	EJ	Electronic pilot control device	RE 29 896

**Click here for**  
**GoTo** Products:  
*Focused Delivery  
Program*