



Trust our experience

Quality service from experts

Looking Forward

**VEGA**

# Experience our innovative expertise

**For over 50 years our focus has been on level measurement, point level and pressure. Every day we solve challenging measurement problems in many areas of industry. Our desire to share this expertise with you**

**lies at the very core of our service philosophy. We provide this in every phase of the life of your VEGA product: not only with our product system, plics® – but first and foremost, through daily person-to-person dialogue.**

Hotline and fast help on site

Page 10

Reliable measurement and detection in everyday operation

Page 8

Error-free installation and setup

Page 6

Expert advice in selecting the right instrument

Page 4

Fast processing and delivery

Page 5





In customer training and consultation you experience our extensive application know-how.

### Knowledge transfer in person

It gives us great pleasure to share with you our wealth of experience in the area of level measurement, point level and pressure. To do this we make use of VEGA seminars, where we systematically impart our valuable knowledge to planners, project engineers and industrial electricians. There you learn all the key features of our technologies and how to use them effectively in everyday applications.

### Contact persons for any question

Every call to VEGA leads you to specialists who feel responsible for the safe and efficient operation of your measuring instruments. They can be reached directly and have access to all relevant data on your applications and the VEGA instruments deployed in them. Using this information they help you find quickly and straightforwardly the best solution to whatever problem you may have – free of charge of course!



# The modular product system plics® delivers profitability



## **Simple: the product system plics®**

With more than 20,000 possible assembly configurations, plics® can provide the perfect combination of sensor, process fitting, electronics and housing for your application. In addition to the synergy of systematic production, assembly and delivery of the instruments, plics® also yields practical customer benefits too, such as standardised installation and setup.

**plics® opens up a whole new world of technical and logistical solutions and facilities. It offers the ideal basis for customer-specific consultation, selection according to application requirements and achieving fast delivery.**



VEGA FINDER	
measuring point	<input type="text" value="silo"/>
mounting	<input type="text" value="top mounted"/>
sensor length	<input type="text" value="direct mounted"/>
process connection	<input type="text" value="threaded connection"/>
electronics	<input type="text" value="relay"/>
Measuring principle	<input checked="" type="checkbox"/> capacitive



### **Selection: Online via the Internet**

Would you like to assemble your instrument yourself, so that you can view and check out all possible configurations? Then [www.vega.com](http://www.vega.com) is the right place for you. There you'll find handy, easy-to-use online tools: the "finder" leads you to the most suitable measuring principle; whereas "configurator" helps you specify an instrument that is perfectly adapted to your application.

### **Delivery: Built within 5 working days**

The delivery time concept SPEED gives you great certainty in planning and reduces your storage costs. All VEGA instruments marked with the stopwatch symbol in the product catalogue are manufactured and dispatched within 5 working days. If you send in an instrument for repair, we'll turn it around in seven working days.

# With plics<sup>®</sup> the instrument setup is simplicity itself

**Thanks to consistent adjustment structures, and well thought-out software, you can understand, set up and configure plics<sup>®</sup> instruments quickly, correctly and easily. This makes for cost-effective ownership and increases plant availability.**

## **Simple: Mounting and wiring**

- Simple integration of instruments through standardised process fittings and electronics versions
- Durable and reliable wiring connections – easy to carry out in cramped environments, via spring terminals and removable connection blocks
- Very simple retro installation in existing plants

## **Clear: Adjustment module PLICSCOM**

- Indicating and adjustment module fits in any plics<sup>®</sup> sensor
- Quick and easy setup and commissioning on site
- Clearly structured menu with graphic symbols and plain text
- Considerable time savings in familiarisation and training thanks to consistent adjustment structures for all plics<sup>®</sup> instruments

## **Fast: Adjustment and diagnosis via PC**

- Simple setup and commissioning thanks to the clear, easily understandable adjustment structure, analogous to PLICSCOM
- Reliable analysis of instrument functions through high-performance adjustment and diagnostic functions
- Free choice of configuration and diagnosis software (e.g. PACTware, PDM, AMS) due to identical adjustment with DTM and EDD


## **Clever: Setup assistants**

- Fast sensor setup via PC for widely different applications
- Time savings through easily understandable user guidance with simple, clear prompts
- User-friendly adjustment concept based on decades of experience in process automation










Device name: VEGAPULS 62

Description: Radar sensor for continuous level measurement with horn antenna

Measurement loop name: Radarsensor




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Setup: Step 1

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Application (Recording of installation conditions)



Type of medium:	<input type="text" value="Bulk solid"/>
Medium:	<input type="text" value="Crushed stones, pebbles, boulders (granulation size &gt; 10 mm)"/>
Application:	<input type="text" value="Crusher"/>
Vessel bottom:	<input type="text" value="Flat"/>
Vessel height/measuring range:	<input type="text" value="5,000 m"/>



# Safeguard the productivity of your plant



## Early: Recognition of maintenance requirements

From the data gathered, such as measured value, process and instrument temperature, as well as operating time, plics® measuring instruments generate easy-to-understand information on the status of the instrument. This means individual maintenance measures can be defined and scheduled. Standardised status messages according to NE107 are displayed directly in the device in plain text, together with graphic symbols and also transferred digitally in the control system environment.



● **Malfunction**



● **Maintenance required**



● **Check function**



● **Outside of specification**



To ensure the availability of your production equipment, our instruments contain functions for self-monitoring and preventative maintenance. With this information, you can lower your maintenance costs and increase productivity.



**Continuous: Self-monitoring**

plics® instruments continuously monitor the most important measurement parameters in process applications. This allows them to also be used in production facilities according to SIL2. Detailed test instructions, e.g. for VEGAPULS and VEGAFLEX sensors, allow the regular checks demanded by the high safety standards to be carried out without removing the sensor and interrupting the ongoing process – cost-effectively and simply.

**Detail: Data logged for diagnosis**

The measured value and event memory in VEGA instruments provides an uninterrupted record of the changes in the sensor and in the process. When servicing is carried out, this data can be downloaded and analysed with a PC (with DTM or EDD).



Event memory (List of the parameter changes and event)

Graph

	Date/Time	Status	Event type	Event descrip
✓	22.03.2011 15:01:04	Outgoing	C700 (Function check)	Simulation ac
✓	22.03.2011 14:47:04	Incoming	C700 (Function check)	Simulation ac
✓	17.03.2011 14:31:46	Outgoing	C700 (Function check)	Simulation ac
✓	17.03.2011 14:26:56	Incoming	C700 (Function check)	Simulation ac
✎	17.03.2011 08:15:06	Change	By PC via Fieldbus	Measured va
✎	17.03.2011 08:15:06	Change	By PC via Fieldbus	Measured va
✎	17.03.2011 08:15:05	Change	By PC via Fieldbus	Measured va
✎	17.03.2011 08:15:03	Change	By PC via Fieldbus	Measured va
✎	17.03.2011 08:14:58	Change	By PC via Fieldbus	Measured va

# Person-to-person service

**If you need help fast, we are well prepared to provide it – for emergencies, repairs or unscheduled maintenance: we're available around the clock, ready to help with advice and action.**

## **24-hour hotline: +49 1805 85 85 50**

With this number you can reach VEGA specialists at any time at an affordable local telephone rate. A problem can often be solved over the phone, but if that isn't possible, VEGA will initiate an appropriate response, whether it be shipping a replacement instrument via special delivery or immediately sending a VEGA specialist to your plant.

## **Repair: well prepared for any contingency**

In the unlikely event that an instrument fails, the advantages of our product system plics® and the delivery time concept SPEED really come to the fore. If necessary, exchange instruments are sent by express delivery and products sent in for repair are in most cases ready for use again within seven days.

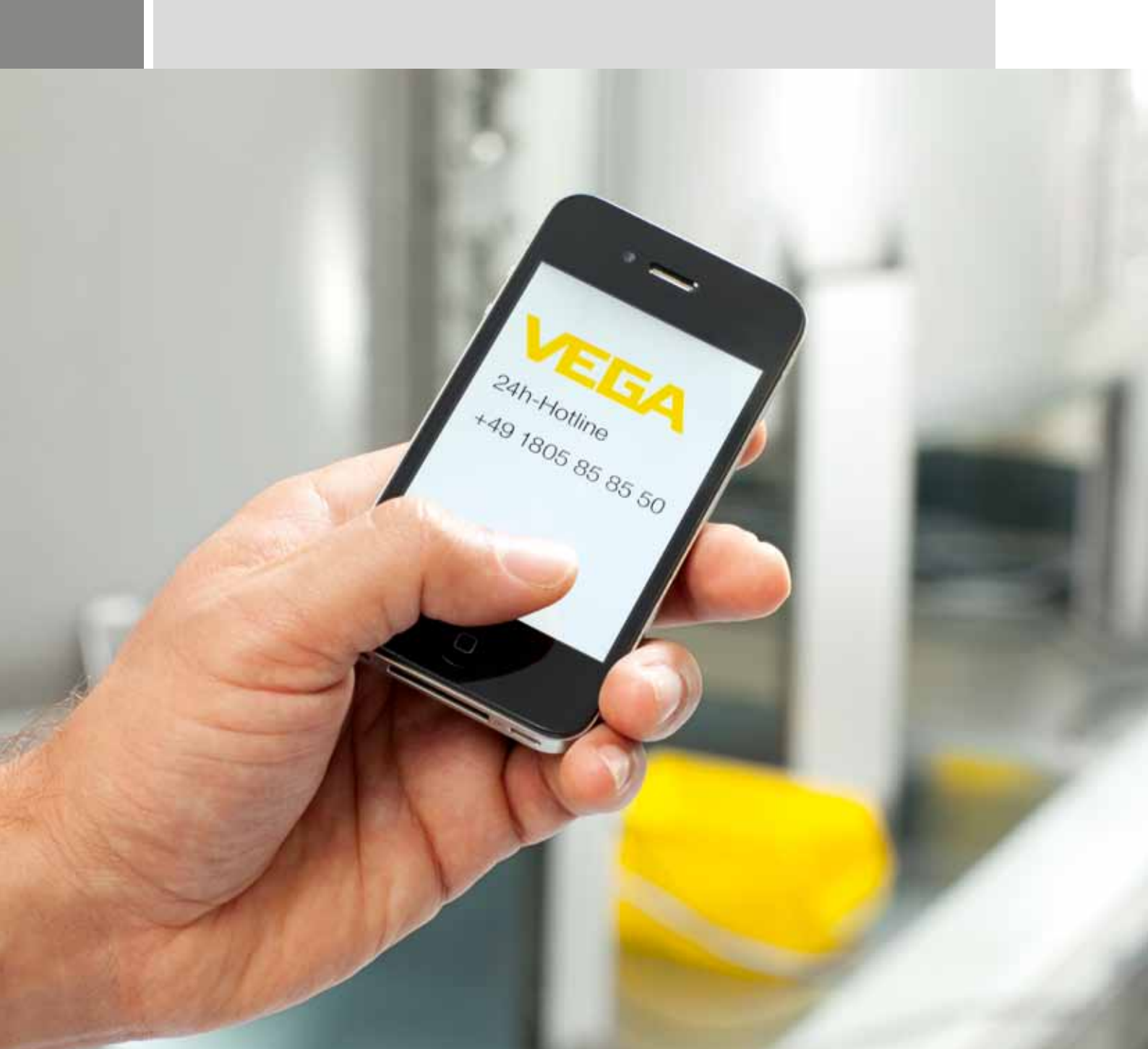
## **Electronics exchange: Fast and economical**

In many cases, just exchanging the electronics module in the instrument is all it takes to get a plant up and running again quickly. Your own staff can do this in a few easy steps thanks to the removable terminals and the tab for pulling out the plug-in electronics. The instrument settings are restored quickly via the copy functions in either PLICSCOM or in the DTM.

## **Downloads: Instrument data and software**

At [www.vega.com](http://www.vega.com) you can find all the information you need about VEGA instruments: operating instructions manuals, approvals, hardware and software histories. Instrument software and adjustment tools can also be downloaded from the site. Particularly interesting: By entering the serial number of your device, you will have immediate access to the configuration and factory settings of your instrument as well as all its relevant documents.









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VEGA Grieshaber KG  
Am Hohenstein 113  
77761 Schiltach  
Germany

Phone +49 7836 50-0  
Fax +49 7836 50-201  
E-mail [info.de@vega.com](mailto:info.de@vega.com)  
[www.vega.com](http://www.vega.com)

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