

#### WAVECONTROL

WAVECONTROL is a sub-section of the WAVESERIES range, focused on a.c. voltage and current monitoring. Apart from including the WAVE construction features above WAVECONTROL offers ...

- Direct a.c. or d.c. current inputs up to 60 A, or a.c. voltages up to 450 V.
- Inputs and d.c. outputs are selectable via DIP switches, without further calibration
- Hall-effect sensor option, which allows the cable measured to be fed through the WAVECONTROL housing, making the use of a current transformer unnecessary for applications up to 60 A.
- DIN rail mountable current transformers for measurements up to 500 A



#### WAVEDATA

WAVEDATA is a useful isolator option for interface conversion, with ...

- A choice of RS 232 to RS 485/422 or RS 232 to TTY interfacing
- 3-way isolation
- DIP switch configurability

#### WAVETOOL

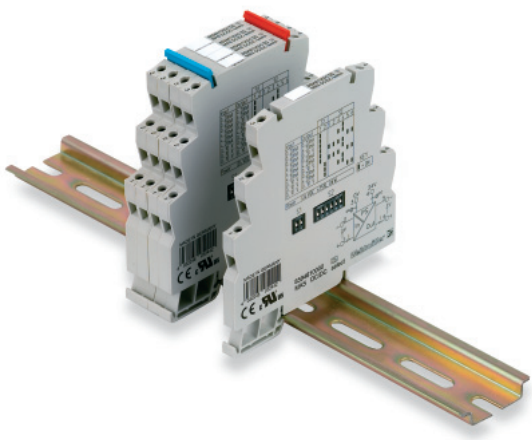
WAVETOOL is a support software application for WAVEANALOG PRO products. Downloadable to your PC or laptop, WAVETOOL is there to help you ...

- Verify that the input / output combination required can be done
- Illustrate the DIP switch positions required

#### MANN SERIES

MANN SERIES is a complementary range of Weidmüller signal conditioning products targeted at the process industries, and featuring ...

- DIN rail mounted modules with metal housings and front adjustments
- Front-of-panel mounted digital displays and conditioners
- Microprocessor-based options with high levels of configurability using a simple menu system from the front of the instrument.
- Multi-channel monitors with integral maths functions and serial communications (RS 485 / Modbus)
- Software configuration applications
- Portable calibration and testing tools



#### MICROANALOG

MICROANALOG offers some BIG signal conditioning features in a small package, such as ...

- Extremely high density mounting on DIN rail (6.1 mm width per module)
- High insulation (300 V) options, including power supply for input
- HART compatibility option
- Transmitters and isolators with DIP switch-selectable outputs
- Multipin connection option, for use as 8 channel analogue I/O block for PLC / SMS.

www.weidmueller.com

|                    |                   |                |
|--------------------|-------------------|----------------|
| Argentina          | Ireland           | Slovenia       |
| Australia          | Israel            | South Africa   |
| Austria            | Italy             | South Korea    |
| Azerbaijan         | Japan             | Spain          |
| Bahrain            | Jordan            | Sweden         |
| Belarus            | Kazakhstan        | Switzerland    |
| Belgium            | Kuwait            | Syria          |
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| Brazil             | Lebanon           | Thailand       |
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| Canada             | Luxembourg        | UAE            |
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| China              | Malaysia          | United Kingdom |
| Colombia           | Mexico            | Uruguay        |
| Costa Rica         | Netherlands       | USA            |
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| Hungary            | Russia            |                |
| Iceland            | Saudi Arabia      |                |
| India              | Serbia/Montenegro |                |
| Indonesia          | Singapore         |                |
| Iran               | Slovakia          |                |

Weidmüller is the leading manufacturer of components for electrical connection technology. The Weidmüller product portfolio ranges from terminal blocks, PCB connectors and terminals, protected components, Industrial Ethernet components and relay sockets to power supply and overvoltage protection modules suitable for all applications. Electrical installation and marking material, basic I/O components and a variety of tools round off the range. As an OEM supplier, the company sets global standards in the field of electrical connection technology.

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All orders are based on our general terms of delivery, which can be reviewed on the websites of our group companies where you place your order. On demand we can also send the general terms of delivery to you.

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## Analogue Signal Conditioning

### Product overview

## Product Overview Analogue Signal Conditioning

#### High performance in arduous environments

Plant measurements such as temperature, pressure, level, flow, weight, speed etc, must not be degraded on their way from the field to the control room. Conversion or changes to these signals requires electronics of the highest quality, which can also withstand wide ambient temperature changes, electro-magnet interference, a vibrating environment, corrosive or hazardous atmospheres.

#### Broad functionality – and still broadening!

In a single document, this guide illustrates the scope of Weidmüller's analogue capability, and makes it easy to select the right product for the job!

#### Segment-targeted construction

Three tiers of construction and configurability are offered for Weidmüller's rail mounted electronics:

- Wider, heavy duty metal housings with adjustment through a front membrane, (MANN Series) aimed at the Process segment



- Modular, robust, high quality polymer housings with wide adjustment via DIP-switch on the circuit board, (WAVE Series) for general industrial use
- Very high density (6 mm width), but robust polymer housings with limited adjustability via external DIP-switches (MICROANALOGUE Series) for lighter industrial applications.

#### High reliability

The words "reliability" and "Weidmüller" are synonymous for industrial applications. Whichever products you select you can be certain they are designed, tested and manufactured to the highest international standards.

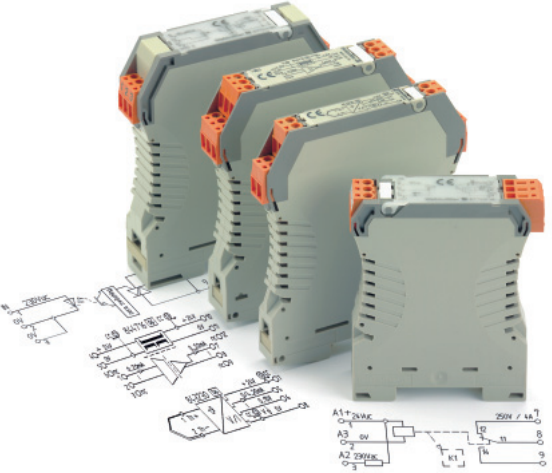
#### Worldwide support

You can be sure with Weidmüller that, wherever in the world your system is operating, local technical and service support will be close at hand. Weidmüller has a well-established international network of either group-company or distributor offices covering over 50 countries.

#### WAVESERIES

WAVESERIES has established a fine reputation in the industrial environment, with it's ...

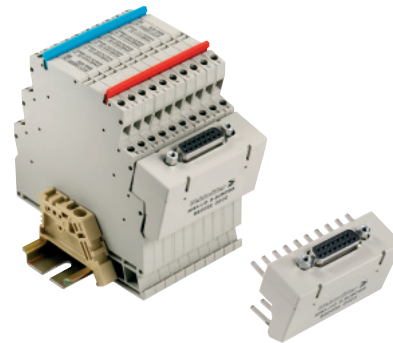
- Isolators – for standardized (mA, V) signals, Transmitters – to amplify delicate sensor outputs into standardized values, and Process alarms (or Trip amplifiers) – to switch relays at preset analogue input levels
- Unique choice of fixed range and configurable options
- Inputs accepted from most electrical sources, e.g. d.c. mV, V, mA, thermocouples, RTDs, resistance, potentiometers, strain gauges, frequency, a.c. voltage, a.c. current.



- Outputs – the common d.c. mA, V ranges, and volt-free relay contacts are available
- Pluggable connections, which simplify commissioning and maintenance
- Many international approvals, including CE, UL, CSA, GL
- Global sales and technical support through Weidmüller's international offices and distributors

Weidmüller

MICROANALOG Interface connects to a PLC / SMS via multi-pin connectors and makes an 8 channel analogue I/O connection using just 60 mm of rail width!



PMX420 Plus isn't just a display, but also a versatile signal conditioner with analogue and relay outputs.



The variety of Weidmuller analogue modules which can be used in Class 1, Division 2 hazardous areas is growing.



Signifies the approval process is incomplete (May 2006). Please refer to Weidmuller for current status

● A different part number is required for this option. Please refer to the catalogue.

\* MCZ is Tension Clamp Connection only

1) Specifies 4-20 mA output, but this is V/mA selectable internally

2) With indicator / front configuration

3) As <sup>2</sup> but Function Generator

4) Needs a CBX100 interface (Order number 7940010208) to a PC/laptop for configuration

5) 4-20 mA Input number shown - 0-10 V input is different order number. Please refer to the Catalogue.

6) Order No. has suffix C1D2 on label for CSA Ex

7) Please specify the input range to obtain a catalogue number

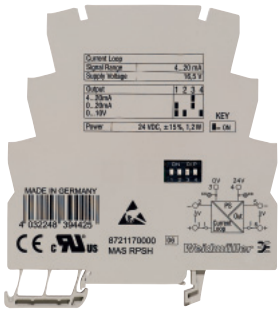
8) For example, "D.44" refers to the page in Catalogue 4 (2006 / 2007) 5650140000, Section D, and "54" refers to the page in the Mann Series Product Information 565240000.

9) Mainly Screw Clamp connections are listed, but WAS types also have Tension Clamp (WAZ) options - for the order numbers please refer to the catalogue in Note 8

ITX plus has a “universal” input – computer configurable via the CBX100 interface – and is output loop powered.



HART compatible isolator – with transmitter power supply –  
in very high density (6 mm W) packaging!



The Portacal 1000 is an accurate, light and portable, current / voltage instrument calibrator.

