



**SKIDS DE
CONDICIONAMENTO
DE AMOSTRA**



WWW.USE.COM.BR

pH-meter

Type: con 2001 pH

Transducer for
pH determination
in the water-steam circuit



Description

The transducers of the CON series are designed for the special requirements existing for industrial measuring instruments used for quality assurance purposes in the water-steam circuit of power plants, but they can also be used for monitoring processes in the field of environmental engineering and in the chemical industry.

The experience gained over many years by Dr. Leye Analysen- und Anlagentechnik GmbH in the field of power plant metrology has been used for developing instruments ensuring optimum adaptation of measuring value processing to the different media involved and facilitating operation.

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Features and peculiarities:

- Automatic buffer recognition
- Allows to choose between manual and automatic temperature compensation
- Temperature dependence of calibrating buffers is stored in the instrument
- Media-specific temperature compensation for low-ion, neutral to weakly alkaline media
- Reliable backlight display for measuring value, temperature and volumetric flow rate
- 2 password-protected operator control levels
- Menu-assisted operation via 5 keys with plain text display
- Analogue output can be parameterised for desired measuring range between 0/4 ... 20 mA
- Bilinear characteristics 4 ... 12 ... 20 mA
- RS485 as option
- PI controller as option

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Technical data

Mains voltage:	230 V +6%/-10%, 50/60 Hz
Power consumption:	10 VA
Internal fuse link:	Yes
Type of protection:	IP 65
Display:	LCD display, 2 lines, 2 x 16 characters, backlit
Current output:	0/4 ... 20 mA metallicity separated max. load 500 Ω
Interface (option):	RS 485, baud rate 9600, data format 8 bits 1 start and 1 stop bit, no parity cable length 1200 m max.
Connections:	Clamp-type terminals for cables up to 1.5 mm ² max.
Dimensions:	W x H x D 165 x 160 x 80 mm
Weight:	1.0 kg
Permissible operating temperature:	0°C to +50°C
Permissible storage temperature:	-20°C to +65°C
Permissible air humidity %:	Maximum 90 % at 40°C (non-condensing)
Measuring ranges:	0.00 pH to 14.00 pH
Electrical safety:	IEC 1010; IEC 664
Marking:	CE-marking