METROTEC

Oxygen Measuring Instruments
Systeme zur Messung und
Regelung von Sauerstoff

U16-Digital

The U16-Digital measuring module, part of the U series, is a universally applicable measuring module for controlling oxygen sensors and converting the raw sensor signals into residual oxygen content. The calculated residual oxygen content is based on the Nernst principle. Thanks to 5-point calibration, the measuring module delivers even more precise measured values across the entire measuring range. The U16-Digital measuring module is designed for DIN rail mounting. The device has two freely configurable 0/4-20 mA outputs and two alarm relay outputs. Configuration is carried out via the integrated BT interface and the freely available Metrotec app. A sensor from the A series is required for operation.

Product highlights:

- Freely configurable mA-outputs
- Freely configurable measuring ranges
- Alarm relay
- Switchable between Lin/Log
- Easy operation via the Metrotec-APP
- Various BUS connections optionally available
- 5-point calibration
- Product variants to suit your application
- Automatic compensation of the cable length

Application examples:

- Additive manufacturing
- Semiconductor manufacturing
- Heat treatment systems
- Melting systems
- Soldering systems
- Welding systems
- Combustion systems
- Process gas monitoring
- Packaging systems

Technical data U16-Digital

Measuring range	Lin 0 – 100 %
	Log $10^0 - 10^{-33}$
Supply voltage	12 - 24 V or
	100 - 240 V
Power incl. sensor	approx. 100 W
Ambient temperature	0 – 45 °C
Weight	approx. 1,5 Kg
Dimensions	approx. 150 x 180 x 90 mm

Combination options:

U16-Digital:		Manual
A19-NC	Flyer	Manual
A19-PC	Flyer	Manual
A 23-NC	Flyer	Manual
Accessories		Link

Metrotec GmbH, Heinkelstr. 12, D-73230 Kirchheim/Teck
Fon: +49 7021-95336-0
www.metrotec.de   info@metrotec.de