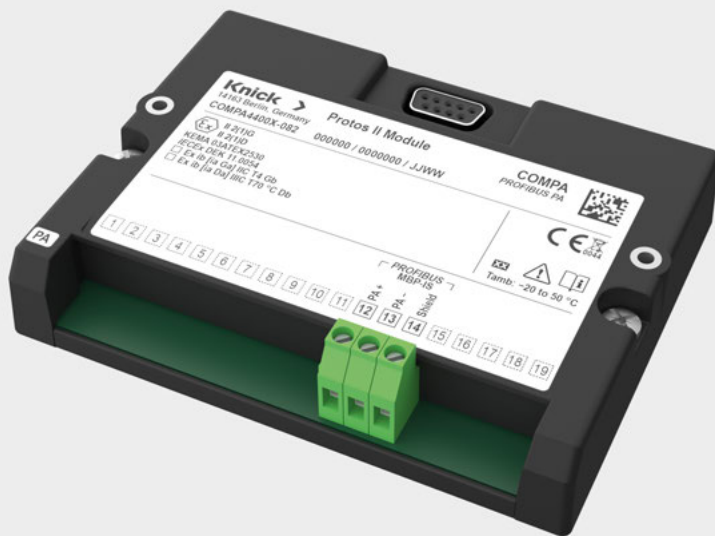


COMPA4400-082

Communication module for easy connection of the Protos II 4400 transmitter to PROFIBUS PA systems

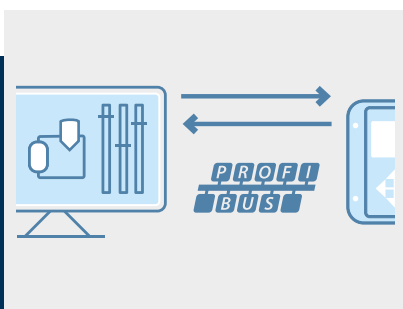


Communication of measurement data and events between measuring point and system control

The fieldbus module enables secure digital networking from the process control system (PCS) to the sensor.

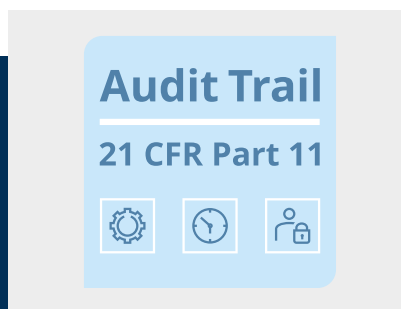
This allows not only the transmission of measurement and system data, but also implementation of the transmitter's Audit Trail functions and control of a cCare system.

The module meets all requirements for standard-compliant communication in PROFIBUS PA networks, enabling seamless integration into process control systems from all major manufacturers.



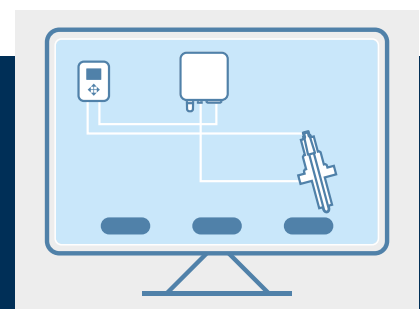
PROFIBUS

- Easy integration into existing PROFIBUS systems
- Transmission of up to 12 measured values to the PCS
- Provision of all sensor parameters when using Memosens (calibration data, sensor name, etc.)



Audit Trail

- Transmission of audit trail records directly from the transmitter via fieldbus
- Access control with the company's own user management system
- Provision of calibration records for retrieval in the PCS



cCare – Controlling/Monitoring

- Starting cCare programs (sensor cleaning, calibration, etc.)
- Feedback on the status and activity of the cCare system

Specifications (Excerpt)

Excerpt from the user manual. Detailed information → knick-international.com

PROFIBUS

PROFIBUS PA	Galvanic isolation up to 60 V COMPA4400X-082: Digital communication in Ex areas via current modulation (Ex ia IIC)	
Physical interface	MBP-IS (in accordance with EN 61158-2), for use in a FISCO system	
Transmission rate	31.25 kbit/s	
Communication protocol	PROFIBUS DP-V1	
Profile	PROFIBUS PA 4.0	
Address range	1 ... 126, factory setting 126, can be set on device	
Supply voltage	FISCO	17.5 V 24 V
Power consumption	< 12 mA	
Max. fault current (FDE)	< 15 mA	

Compliance

(with installed module)

EMC	EN 61326-1, EN 61326-2-3, NAMUR NE 21	
Emitted interference	Industrial applications ¹⁾ (EN 55011, Group 1, Class A)	
Immunity to interference	Industrial applications	
Lightning protection	EN 61000-4-5, installation class 2	
RoHS compliance	EU Directive 2011/65/EU	

Ambient Conditions

(with installed module)

Climatic class	3K5 in accordance with EN 60721-3-3	
Location class	C1 in accordance with EN 60654-1	
Ambient temperature, operation	Non-Ex: -20...55 °C (-4...131 °F) Ex: -20...50 °C (-4...122 °F)	
Ambient temperature, transport/storage	-20...70 °C (-4...158 °F)	
Relative humidity	5...95%	

¹⁾ This equipment is not designed for domestic use, and is unable to guarantee adequate protection of the radio reception in such environments.