

EK280 – Product Configuration

V11 / 19.05.2022

Customer: _____ Order number: _____ Date: _____

Feature		Configuration (Defaults are marked in bold)	
Basic device	Customer specification	☐ standard ☐ customer specification acc.	
	Destination/country	☐ EU ☐ Germany ☐ _____	
	Language used in device	☐ English ☐ German ☐ French	
	Software Update	☐ Software updates possible with open admin lock (outside Germany) ☐ Update only possible by open calibration switch	
	Error curve correction	☐ inactive ☐ active (with additional costs)	
	Configuration	☐ standard ☐ according to customer spec. (customer release essential before delivery)	
	Type of Ex approval	☐ ATEX approval ☐ according to IEC Ex approval	
	Ex Certification	☐ use in Ex zone 2 or outside Ex zone (internal power supply possible) ☐ use in Ex zone 1 (according to ATEX approval)	
	Compressibility	☐ S-GERG-88 ☐ AGA-NX19 ☐ AGA8-DC92	
	Calculation method (K value mode)	☐ AGA8 GC 1 ☐ AGA8 GC 2 ☐ AGA-NX19 Herning & Wollowski ☐ fixed value	
	Difference to time base	☐ _____ hours to UTC (GMT) ☐ Germany (UTC+1)	
	Protocol	☐ IEC 62056:21 / Modbus / DLMS (Low level security) ☐ DLMS High-Level Security (IEC 62056:21 and Modbus protocol deactivated)	
	Housing option	☐ standard housing (IP65) ☐ enhanced outdoor housing	
Test	Calibration / Test	☐ MID → for all countries which belong to the EU ☐ factory checked → for all other countries	
	Pressure sensor 1 / 2	Sensor 1 (int. / ext.; for conversion)	Assembly
Pressure ranges (absolute)			☐ 0.7 – 2.0 bar a ☐ 2.4 – 12.0 bar a ☐ 8.0 – 40.0 bar a ☐ 0.8 – 5.0 bar a ☐ 4.0 – 20.0 bar a ☐ 14.0 – 70.0 bar a ☐ 1.4 – 7.0 bar a ☐ 6.0 – 30.0 bar a ☐ 16.0 – 80.0 bar a ☐ 2.0 – 10.0 bar a ☐ other ranges (only with additional costs)
Sensor 2 *1 (external; for monitoring)		2 nd p-sensor	☐ no 2nd p- sensor ☐ yes
		Pressure ranges (absolute)	☐ 1.4 – 7.0 bar ☐ 4.0 – 20.0 bar ☐ 16.0 – 80.0 bar (other pressure ranges available on request)
		(relative / gauge)	☐ 0.0 – 0.5 bar g ☐ 1.4 – 7.0 bar g ☐ 4.0 – 20.0 bar g ☐ 16.0 – 80.0 bar g
Base Pressure		☐ 1.01325 bar ☐ _____	
Unit for pressure		☐ bar ☐ psi ☐ kPa ☐ MPa	
T-Sensor 1/2	T-Sensor 1 – cable length	☐ 2.5 m ☐ 10 m	
	Option: Temp. sensor 2 *1	☐ no 2nd T- sensor ☐ yes	
	Unit for temperature	☐ °C ☐ °F	
	Base Temperature	☐ 273.15 K = 0°C ☐ 288.15 K ☐ 293.15 K ☐ _____ K	

*1: In battery-operated mode, four device batteries are necessary for the second pressure or temperature sensor

Feature		Configuration (Defaults are marked in blue and bold)	
Communication	Internal power supply (usable outside Ex Zone 1)	☐ yes iPS280 (input voltage: 90...230 VAC) ☐ no power supply board ☐ PoE (Power-Over-Ethernet; only with internal Ethernet card)	
	Communication module (mounted inside EK280)	☐ 2G modem iCM280-2G ☐ 4G modem iCM280-4G (LTE-M/NB-IoT) ☐ Ethernet card iCE280 PoE ☐ no internal module	
	GSM antenna	☐ Housing antenna ☐ ext. 3 m ☐ ext. 5 m ☐ ext. 10 m ☐ no antenna	
Inputs	Connected to Encoder index	☐ no ☐ yes (for operation with Encoder index in battery powered mode four device batteries are necessary)	
	Cp value (input 1)	☐ 1 pulse / m³ ☐ _____ pulses / m³	
	Mount of device	☐ wall mounted ☐ EK280 factory mounted on a meter (meter must be part at the same order!)	
	Mounting options	(does not apply to wall mounting) ☐ index head S1 (w/o Encoder) ☐ mounting plate MI-2 (w/o Encoder) ☐ use with Encoder index (S1/MI-2)	
	Pulse input cable (input 1)	☐ without cable ☐ 0.7m cable (Encoder) ☐ 2.7m cable (Encoder) ☐ 0.7m Multi Index ☐ 0.7m cable (IN-S11/12) ☐ 2.7m cable (IN-S11/12)	
	Add. input cable (input 2)	☐ without cable ☐ 0.7m cable ☐ 2.7m cable ☐ 0.7m Univ./ Multi Index ☐ Connection to HF transm.	
	Cp value (input 2)	☐ 1 pulse / m³ ☐ _____ pulses / m³	
Battery	Number of device batteries	☐ 2 batteries ☐ 4 batteries (not with internal power supply)	
	Additional modem batteries	☐ no batteries ☐ 2 batteries (additional option for mains operation)	
Options	Barcode	☐ no ☐ yes, type: _____	
	Owners label	☐ no ☐ yes, acc. to customer spec; type: _____	
	Manufacturer ID	☐ yes, DIN 43863-5 ☐ no	
	Certification Data Log	☐ active (change of specified values - e.g. input mode, cp value, meter reading, begin of day - possible without breaking the calibration seal) ☐ inactive (change of specified values only possible by open calibration lock)	
	Extended Warranty	☐ no ☐ yes; ____ year(s); with additional costs	

Project / Customer reference / Comments:

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