

Elster® EK280 – Product Configuration

V13a / 02.2024

Customer: Order number: Date:

Feature		Configuration (Defaults are marked in bold)		
cedevicBas	Customer specification	☐ Standard	☐ According to customer specification	
	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 Calculation method (K value mode)	☐ S-GERG-88 ☐ S-GERG-mod-H2 ☐ DC (Similar to AGA8-DC92) ☐ AGA8 GC 1 ☐ AGA8 GC 2 ☐ AGA-NX19 ☐ AGA-NX19 Herning & Wollowski ☐ GOST-30319 ☐ 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		
	1 / 2sorsenessorPre	Sensor 1 (int. / ext.; for conversion)	Assembly	☐ Internal ☐ External; Cable length: 10 m (also for temperature sensor)
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 ☐ 0.8 – 10.0 bar a ☐ Other range ☐ 2.0 – 10.0 bar a (additional costs + separate approval)	
			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 range (additional costs)
				(relative / gauge)
Base Pressure		☐ 1.01325 bar ☐		
Unit for pressure		☐ bar ☐ psi ☐ kPa ☐ MPa		
21/omsSeT-	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

Please send the filled document together with your order to:
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Feature		Configuration (Defaults are marked in blue and bold)
onCommunicati	Internal power supply (usable outside Ex Zone 1)	☐ Yes, iPS280 (input voltage: 90...230 VAC) ☐ No power supply board ☐ PoE (Power-Over-Ethernet; <u>only with internal Ethernet card possible</u>)
	Communication module (mounted inside EK280)	☐ 2G/3G modem iCM280-2G (Standard SIM) ☐ Ethernet card iCE280 ☐ 4G modem iCM280-4G (LTE-M/NB-IoT; Nano-SIM) ☐ No internal module
	GSM antenna	☐ Housing antenna ☐ Ext. 3 m ☐ Ext. 5 m ☐ Ext. 10 m ☐ No antenna
tsInput	Connected to Encoder index	☐ No ☐ Yes (for operation with Encoder index in battery powered mode, four device batteries are necessary)
	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)
	Addit. input cable (input 2)	☐ Without cable ☐ 0.7m cable ☐ 2.7m cable ☐ 0.7m Univ./ Multi Index ☐ Connection to HF pulser
Battery	Number of device batteries	☐ 2 batteries ☐ 4 batteries (Not with internal power supply)
	Additional modem batteries	☐ No batteries ☐ 2 batteries (modem buffer option for mains operation)
Options	Barcode	☐ No ☐ Yes, type:
	Owners label	☐ No ☐ Yes, acc. to customer spec; type:
	Manufacturer ID	☐ Yes, according to 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)

Default options are marked in “bold”; please mark the desired options!

Project / Customer reference / Comments:

Customer Address:

Contact person:

Phone:

E-Mail: