Honeywell

Elster® EK280 – Product Configuration

V13a / 06.2024

Customer: _____ Order number: _____ Date: _____

Feature			Configuration (Defaults are marked in bold)
Basic device	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)		⦿ **SGERG-88** ○ SGERG-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
Pressure sensor 1 / 2	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)
	Sensor 2 *1 (external; for monitoring	2nd 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)	○ 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

Please send the filled document together with your order to:
Honeywell | Process Solutions • Steinern Straße 19-21 • D-55252 Mainz-Kastel
• Fax: +49 6134 / 605 – 390 • E-Mail: gas-mainz-orders@honeywell.com

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Customer: _____ Order number: _____ Date: _____

	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; only with internal Ethernet card possible)
	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
tsInpu	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:

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