The NEP5000 ordering code explained

When ordering a NEP5000 sensor, you are kindly asked to specify the full code as explained below. This to make sure you order the right sensor. The full code also directs you to the right items from the pricelist, as shown in the below table.

This is an example of the ordering code:

WY-90-D-R42-NO-GC-V1-TN-PN
1   2   3   4   5   6   7   8   9

The code is explained below, with reference to the items in the price list.

#	Values	Meaning	Price list	Comments
1	WY	Wiper Yes	- (Standard)	Indicates if there is a wiper or not.
	WN	Wiper No	NEP-NOWIPER (Negative value)	
2	90	90 degree optics (ISO7027)	- (Standard)	
	180	180 degree optics (back-scatter)	NEP-180	
3	D	Delrin Housing	- (Standard)	Lowest cost
	C	Copper alloy Housing	NEP-CUC	Anti-fouling
	S	Stainless Steel housing	NEP-SSC	Strong, rugged
	T	Titanium Housing	NEP-TTC	Anti-corrosion
4	R42	RS422/485 (Modbus)	- (Standard)	
	S12	SDI-12	NEP-SDI12	
	R23	RS-232	NEP-RS232	Max 10 meter
	USB	USB	NEP-USB	Max 5 meter
5	NO	No *cur* or *vol* output	- (Standard)	
	CUR	Current output 4-20 mA. Only for NTU (not for pressure or temperature)	NEP-CUR	Max 100 meter, no auto NTU range selection
	VOL	Voltage output over 5V range. 0 to 5 V or -2.5 to +2.5V. Only for NTU (not for pressure or temperature)	NEP-VOL	Max 10 meter, no auto NTU range selection
6	GC	Glanded Cable	- (Standard)	
	SM	Subcon connector, male	CON34MCBH6MSS	Recommended
	SF	Subcon connector, female	CON34MCBH6FSS	
7	V1	NTU ranges: 10, 400, 1000	NEP5000-V1	Note that the factory calibration of one range is included in the price.
	V2	NTU ranges: 10, 400, 5000	NEP5000-V2	
	V3	NTU ranges: 100, 1000, 5000	NEP5000-V3	
	V4	NTU ranges: User specified	NEP5000-V4	
8	TN	Temperature No	- (Standard)	Water temperature sensor in optic block yes/no
	TY	Temperature Yes	NEP-TEMP	
9	PN	Pressure No	- (Standard)	Pressure sensor in the housing yes/no
	PY	Pressure Yes	NEP-PRES	

For example, to order WY-90-D-R42-NO-GC-V1-TN-PN, you would only need to order NEP5000-V1, because the rest is standard. However, if you want the same sensor to come in a Copper housing and with a male Subconn connector, **the order** code would be: WY-90-C-R42-NO-SM-V1-TN-PN, and you would have to order: NEP5000-V1; NEP-CUC; CON34MCBH6MSS.

Notes
- The maximum allowable cable lengths for SDI-12 and RS422/485 are expected to be over 1000 meters.
- The voltage and current output options only refer to the turbidity and not to other (optional) parameters like pressure and temperature. You lose the option of automatic range switching.
- If you chose a sensor with a connector, you obviously require a cable with a mating connector. Thus, when ordering cable, please also order the mating connector.
- Without the temperature option (TY), you can still get a temperature reading from the sensor, but this is the internal and uncalibrated temperature.
- The pressure sensor is unvented, hence requires external barometric compensation.