

Programming Terminal PT5000 – Software Description

How to start the display

1. ENJOY PT5000
SV 1.08

2. P – PARAMETERS (choice of programming parameters)
S – PROGRAM MSK (parameter transmission to MSKXXXX)



Picture 1

Keys' Functions

Key P	Programming key
Key EXIT	Without function
Key ▲	Select value
Key ◀	Select digit
Key S	To store or to transmit values

Programming Menue

Use the programming menu (P-Parameters) for entering individual parameters.

Press key „S“ (*STORE*) for storing parameters.

In case of power failure, parameters are reset to the default values, ie. the individual parameters have to be programmed again.

Default Values

Interpolation	500
Pulse edge distance	1 μ s
Index length	1 increment
Counting direction	standard

Parameters (standard)

Use key „P“ to enter into programming menue

Only the following user-relevant parameters are programmable:

- selection sensor type
- resolution / interpolation
- pulse edge distance
- length of index signal
- counting direction

Attention: Any paramater modification must be stored by key „S“

selection sensor type	Type
	MSK1000
	MSK3200
	MSK5000

Interpolation	Resolution
Required increments per magnetic period	4 – 5000 (500 standard)
Pulse 1 Inc	Pulse edge distance
	0.2 μ s
	0.25 μ s
	0.5 μ s
	1μs (standard)
	2 μ s
	2.5 μ s
	4 μ s
	8 μ s
	16 μ s
	32 μ s
	64 μ s
	66 μ s

Index Width	Index signal length
1 increments	1 (standard)
4 increments	4 (only available from interpolation chip IP10)

Direction	Counting direction
Counting direction	standard (standard)
	inverted

View – Programming Terminal PT5000



Picture 2

Note:

The optical LED is placed under the label of the MSK5000. To program the MSK5000 remove the label from the sensor and place the sensor on the PT5000 housing as shown on picture 2. The LED has to face on the surface of the PT5000.

While programming the sensor MSK5000, the sensor has to be connected to power (see values on label of the sensor)!