

created: 16.02.07/HAI checked: 25.04.07/FRO released: 27.04.07/IE

E2 interface:

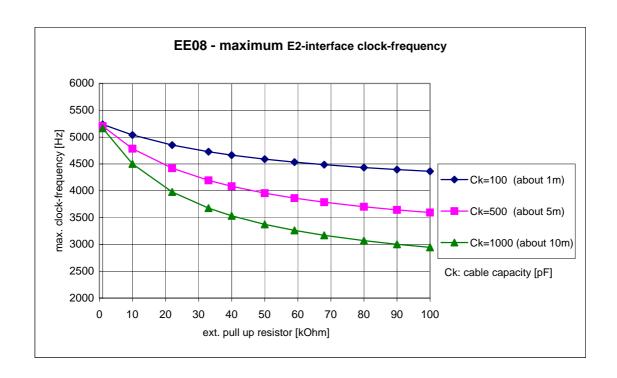
Addition to the specification E2 interface "specification E2-interface_e*.doc":

These parameters/values[hex] can be read by the E2 interface:

EE08:

command:	return-value	kind	format	measuring-range	output:
Group	0x08				
Sub-Group	0x00				
Available measuring-values	0x03 or 0x21				
Statusbyte: ¹⁾	0x0x				
Measuring value 1:		Humidity	unsig. int	0 - 100%rH	1/100%rH
Measuring value 2:		Temperature	unsig. int	233,15 - 353,15°K	1/100°K
Measuring value 3:	_	Not defined			·
Measuring value 4:		Not defined			

¹⁾ only a **broken sensor** can be indicated (no sensor short circuit - indication).





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Measurement Timing

	minimum	typical	maximum
t pwrup ¹⁾		200 ms	400 ms
t meas		150 ms	
t cfree		2,0 sec	

1.) Max. 20ms from switching on to +UB stable (90% from final Value)

Readig Measurement Value 1 Readig Measurement Value 2

Readig Status Byte AND start a new measurement

1.) Free running mode Measurement tpwrup tcfree Temperature, Humidity); No communication over E2-Bus possible (NACK)

2.) Trigger mode (tc < tcfree)

