## Ultrasonic Sensors / Single Head System Serial Interface (RS232, 9600, 8, n, 1)



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RS232 Command (brief overview)			
Command	Meaning	Parameter	Zugriff
VS0	Velocity of Sound at 0°C	Velocity of sound 0° C VS0 in [cm/s] {1000060000)	read and set
VS	Velocity of Sound	Current velocity of sound VS in [cm/s]	read
ТО	Temperature Offset	TO in [0.1K]	read and set
TEM	TEMperature	TEM in [0.1K]	read and adapting TO
REF	REFerence measurement	Distance REF in [mm] {0800}	adaptation VS0
SD1	Switching Distance 1	Relay 1 SD1 in [mm] {40800}	read and set
SD2	Switching Distance 2	Relay 2 SD2 in [mm] {40800}	read and set
SH1	Switching Hysteresis 1	Hysteresis Relay 1 in [%] {015}	read and set
SH2	Switching Hysteresis 2	Hysteresis Relay 2 in [%] {015}	read and set
BR	Blind Range	Distance in [mm] {0600}	read and set
CBT	Constant Burst Time	Burst legth in [µs] {0,1,2,3}	read and set
ССТ	Constant Cycle Time	Time in [ms] {01000}	read and set
FTO	Filter TimeOut	Number of measurements to be filtered without echo {0255}	read and set
EM	Evaluation Methode	Method of evaluation { 0=NONE; PT1[,f,p,c]; MXN[,m,n]; DYN[,p] }	read and set
CON	<b>CON</b> servative filter	Counter wave as the numberl {0255}	read and set
OM	Output Mode	OM coded [N.C. =1, N.O.=0]	read and set
FSF	Fail Safe Function	Error function type z.B. FSF,11,35 {0,1,2}, [error current in 0.1 mA]	read and set
MD	Master Device	Functions as master {0=NONE},AD,RD,RT,SS,ADB,RDB,RTB }	read and set
NEF	No Echo Failure	Response if no echo {0,1}	read and set
AD	Absolute Distance	Distance in [mm]	read
RT	RunTime	Echo run time in maschine cycles [1mz = 1.085µs]	read
SS1	Switching State 1	SS1 binary [ 0 : inactive, 1 active] (independent OM)	read
SS2	Switching State 2	SS2 binary [ 0 : inactive, 1 active] (independent OM)	read
ADB	Absolute Distance Binary	Distance in [mm] nicht als ASCII	read
RTB	RunTime Binary	Echo run time in maschine cycles [1mz = 1.085µs] nicht als ASCII	read
ER	Echo Received	ER binary [0/1]	read
VER	VERsion	Version string : 028A	read
ID	<b>ID</b> entification	ID string : P&F UC500-F43-2KR2-V17	read
DAT	DATe	Date string : Date: 09/13/99 Time: 08:15:10	read
ST	<b>ST</b> atus	Status in form of hexadecimal string	read
RST	ReSeT	Performs the Reset function	command
DEF	DEFault settings	Reset to default settings	command
SUC	Store User Configuration	Save all settings	command
RUC	Recall User Configuration	Resets to saved configurations	command

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