Request AVR_USB_READ AVR_USB_Write	1. Byte 0x05 0x02	<> EFM to PC PC to EFM				
**************************************	**************************************	<pre>********************** what ? Data from A/D Converter Status VZ + Overflow + Low Batt. Gain range Read Offset Zero ==> xxx Zero if not Busy !!! Send Mode</pre>			read only from EFM read only from EFM siehe unten Offsetwerte read only from EFM read only from EFM	
Werte	Länge	ab 3. Byte				
Measure ADC (00) siehe Messwert	4 Byte	4-Digit as ASCII LSB 3.1			LSB 3.Byte zu N	MSB 6. Byte
Status STAT (01)	1 Byte	Bit 0 = Overflow (1) Bit 4 = Polarity (Neg. = 1) Bit 7 = L.B. (1) (HEX 00, 01, 10, 11, 80, 81, 90, 91)				
RANGE (02)	1 Byte	0x10 0x20 0x30 0x40 0x50	V2 = 250 kV/m V10 = 50 kV/m V20 = 25 kV/m V100 = 5 kV/m Autorange	(0) (1) (2) (3) AR	Gain EFM Gain EFM Gain EFM Gain EFM Gain EFM	X 2 X 10 X 20 X 100 AUTO
REOF (0x30) see Offsetvalue	0x10 send => all RAM Offset set "0" 0x20 senden => set Busy read all Offset -> write EEPROM					ROM
BUSY (0x31)	*** Read off	Ox00 not busy, All o.k. Ox10 Busy! OxF0 Offset to high ==> forgot protect cap ?? *** OxF1 EEPROM - Error when writing the parameters OxF2 EEPROM - Error when writing the Offsetvalue d offset canceled must be restarted!				
Messwert	Value is sent as 4-digit value (ASCII) End of range is 1000 Range is used to calculate the measured value Polarity is read out in STAT(01)					
	Examplel: Value "784" sent in ASCII from 3. Byte Is 24 - 28 - 27 - 20 !					
	z.B. z.B.	Value 784 25 kV/m / 1000 x Wert 645 50 kV/m / 1000 x	Bereich 0x20 (50k	/m) 19,60 kV/m V/m) -32,25 kV/m	Status = 0x00 Status = 0x10	(Polarity +) (VZ = Neg.)
<u>Offsetwerte</u>		16 Bit Integer mit 2er complement Example: +31 = 0x001F => -31 = 0xFFE1				
OFFSET-ADJUSTMENT PC-Software Bediener		0x30 0x10 send = Set Range 5kV/m With Trimmer Off	be put on the mode => all RAM Offset V than read out Mea set set Measure Va > set Busy read all (Talues set to "0" sure Value (with alue < 50		