

## i-Box A/B Serial multi-function box

### Operating instructions



Curves to be generated graphically or via text table

semi-automatic data transfer from scope files is currently being prepared

PLC Remote functions

#### 4 Curves (arbitrary generator, analog output 0 ..10V)

e.g. to create switch on shapes, load or fault profiles

	<b>i-Box Arb</b>	<b>i-Box Arb F</b>
Time intervals	10 msec .. 1 hour	50/100/200 usec .. 1 minute for 1/2/4 curves
max. memory for four curves	6500 linear sections with one separate time value each, dynamically managed	16000 points with one separate time value each, dynamically managed
Extra function	Variable curve speed or interruption with external analog signal	none

#### Multi-characteristic curves controller (analog output 0 ..10V)

e.g. to simulate solar cells or fuel cells

	<b>i-Box Arb</b>	<b>i-Box Arb F</b>
Response time	10 msec	100 usec
max. memory	800 linear sections per characteristic curve	4096 points per characteristic curve
Number of characteristics	10	7
Select characteristic	per analog voltage (in fixed steps)	
Extra function	1 analog output, e.g. for absolute current limiting	

#### RS-232 / 0-10V - Direct operation for 4 inputs and outputs

e.g. : to control **two** power supply units at the same time / read back values (current / voltage)

graphical curve of actual values (scope function) with storage of min./max. value

4-channel-data logger (data in file)

For detailed differences: see chapter 11