



# Single Data.....

--- Extracts statistical values from Dream Report History or External Databases (ODBC) ----

Statistics	Absolute/Relative	Fixe Period	Batch Period	Batch ID	Timestamp
	From Jan 1st at Today	Last Month	Last Batch	Batch_303	
First Value	150 m3	1 455 m3	1 170 m3	03/03/12 08:00:00	First Value
Last Value	150 m3	1 305 m3	1 380 m3	13/03/12 14:00:00	Last Value
Maximum Value	1 485 m3	1 485 m3	1 485 m3	03/03/12 14:00:00	Maximum Value
Minimum Value	150 m3	150 m3	150 m3	05/03/12 16:00:00	Minimum Value
Average Value	1 140.97 m3	1 165 m3	1 170 m3		
Weighted Average	1 136.47 m3	1 119 m3	1 114 m3		
Integral Value	223 235 643 825	2 631 739 635	985 206 975		
Sum Value	31 107 450 m3	391 530 m3	148 530 m3	246:59:59	Run Time
Standard Deviation	365	355	350		

(i) - Free table was used to present data

Statistics	From Jan 1st at	Last Month	Last Batch
Down Time	25253:28:19	442:00:00	147:54:59
Up Time	29310:06:36	254:00:00	99:05:00
Run Time	54563:34:55	696:00:00	246:59:59
Status	RUN	RUN	STOP
On Counter	8 795 Times	99 Times	51 Times
Off Counter	8 795 Times	98 Times	51 Times
On/Off Counter	8 794 Times	98 Times	51 Times
Availability	54 %	36 %	40 %
	-	-	-
Counter	8 795 000 Times	99 000 Times	40 000 Times



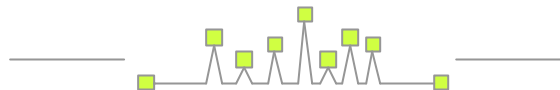
### Example M2

Status	RUN
Temp	45.0 °C
Duration (hh:mm:ss)	30399:24:17

### Options

For each Statistical Value user can:

- Define UNIT and DECIMAL Precision.
- Define COLOR on value range
- Replace Numeric by Text ( 0:STOP / 1:RUN)



## Compound Data .....

	Last Value
Tank 1	57.33
Tank 2	72.78
Tank 3	99.50

Function	Result
Max	99.50
Min	57.33
Sum	229.61
Average	76.54

This Object captures all previous Statistics made and enables without doing any expression to calculates new analytics between them like: Max, Min, Sum, Average

## Expression Data .....

Expression	Result
T1 + T2 - T3	30.61
(T1+T2)*sin(T3/20)	11.28

This Object enables to do expressions using Boolean, Math and Trigonometric instructions

Math	+	-	*	/
Bool	And	Or		
Trigo	Sin	Cos	Tg	Abs
	Ln	Log	Sqrt	^