Metivent Software A Companion to TSI Flowmeters



Metivent is a Windows application for recording air flow measurements from TSI flowmeters (e.g. TSI4040). A standard Windows computer with the installed Metivent software connects to the flowmeter via a USB-serial converter or FIA's



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Sample Reference	20170305-ser	telqr			
1					
3 Program Version	1.2				
4					
5 instrument:					
6 Model		4040			
7 SerialNbr	40401139004				
Calibration Date	2014-10-15				
9 Firmware	2.5				
10					
11 Settings.	1				
12 Measurement	Flow				
13 Read Temp	Yes				
14 Read Pressure	Yes				
15 FlowUnit	Standard				
16 Samples	300				
17 Sample Interval (ms	1)	3			
18 Trig Start	NA				
19 Trig Stop	NA				
20 Gas Calibration	Air				
21					
22. Time(ms)	Flow (I/min)		Temp (C)	Prestare	(kPa)
23	0	0,01	27.01	\$02.22	
24	3	.0	27.01	102.19	
25			27.05	102.29	
26	3		27.01	102.14	
17 1	2	0	27.01	102.05	
28 3	5	- 0	26.99	102.15	
29 3	8	0	26.98	102.25	
30 1	15	0	26.96	102.07	
89 2	4	0	26.98	102.22	
32 2	17	. 0	26.98	102.32	
33 1	8	0,62	26.96	102.14	
34 3	13	0.03	26.98	102.1	
35 3	16	0,63	26.98	102.25	
20150	105 samplerum		٠		

specialty USB cable (see picture) which also provides power. The acquisition of data from the flowmeter is then controlled by the software. Once started, the graph is updated continuously during measurement.



The software can be used in several modes and configurations

- Start trig (wait to start until the flow has reached the start trigger level)
- End trig (sample data until stop trigger condition)
- Gas calibration
- Number of samples to collect if not using trig
- Standard or volumetric flow
- Sampling rate 1-1000/s

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Article number: Training and IQ Metivent Software F1079

Article number: USB/RS-232 power cable TSI F1016

Measurements can be conveniently saved to CSV files and opened in Excel for further data analyses and presentations. The instrument is pivotal when recording inhalation profiles for lung simulation studies (such as FIA's F-SIG 6300).

The file presents flow, pressure and temperature along with instrument data, such as serial number, calibration date and currently used settings.

AB FIA

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