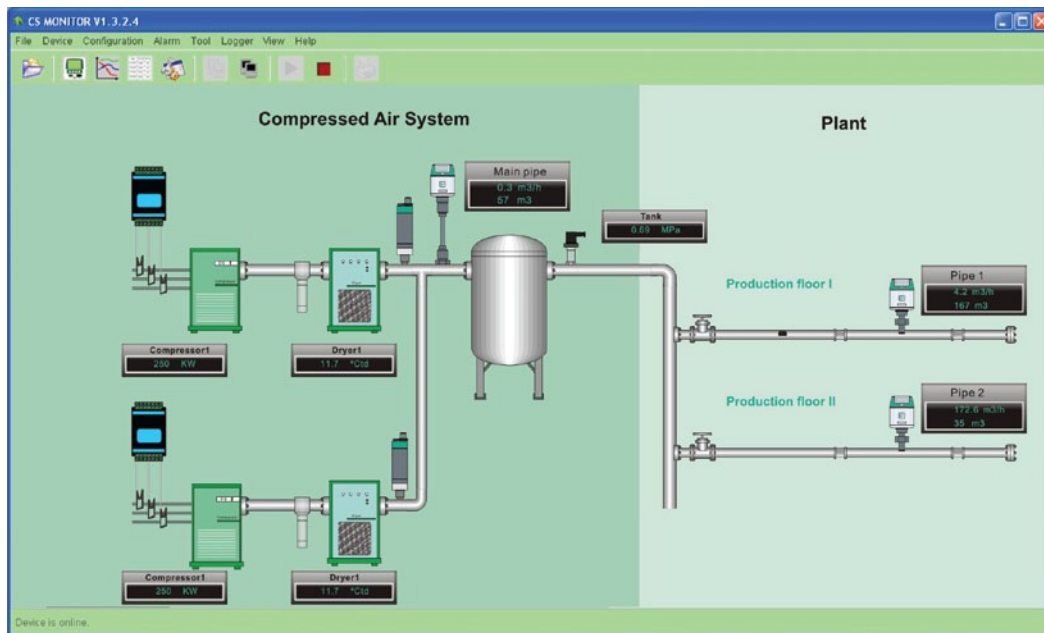


CSM DATA ACQUISITION AND ANALYZING SOFTWARE

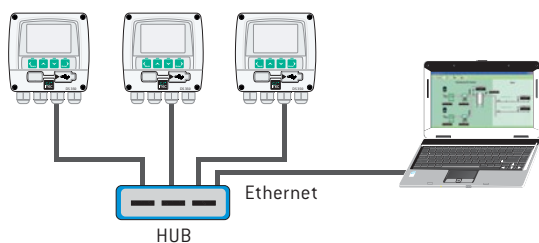
Monitoring Gas / Compressed Air Consumption

In times where energy conservation is a top priority for all progressive enterprises, the measurement of flow rates and consumption is becoming more and more important. However, measurement is just one step forward, in order having a complete picture of the gas and compressed air consumption in a factory a permanent monitoring, an graphical/statistical analyzes and a convenient reporting is required. For this purpose we have developed a software which is doing just that: CS-Monitor.

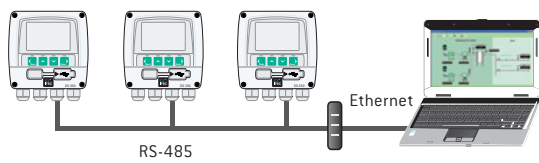
CS-Monitor(CSM) comes in two versions: - CSM-M (multiple devices support)
- CSM-S (only one device at a time)



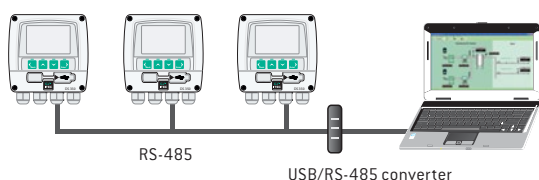
Acquiring measurement data



CS-Monitor acquiring measurement data through Ethernet from several remote units



CS-Monitor acquiring measurement data through Ethernet / RS-485 gateway



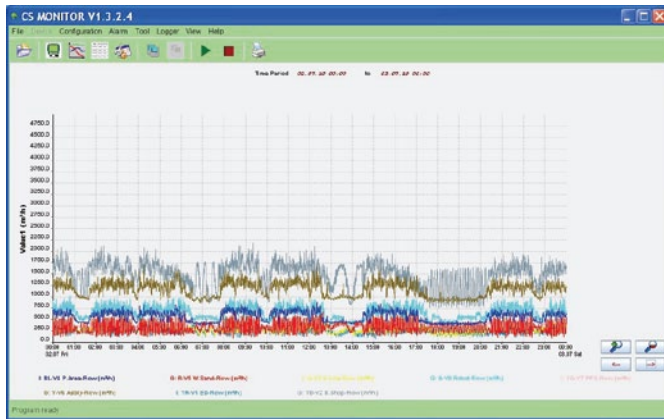
CS-Monitor acquiring measurement data through RS-485 from several remote units

Features

- Communicates with up to 30 remote units (CS 325 / 323)
- Communicates through Ethernet, RS-485, RS-485/ Ethernet gateway
- Unlimited recording size (up to maximum files size of windows)
- All sensor values can be displayed online
- User can add his own plant schematics as a background picture to the online screen
- Alarm monitoring and recording of alarm history
- Graphical analyzes of up to 10 channels on one screen and up to 4 different physical units
- Export to MS-Excel
- Optional consumption report generator for convenient reporting and analyzing

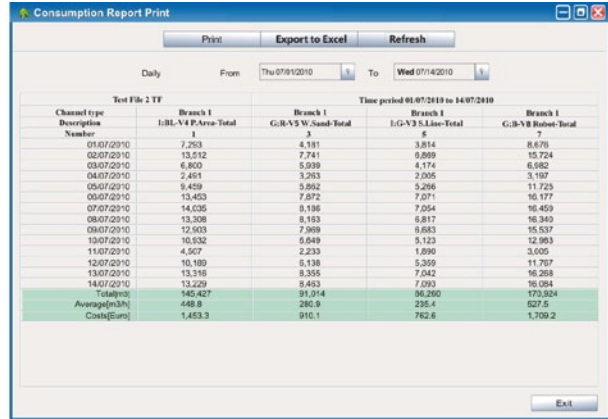
CSM DATA ACQUISITION AND ANALYZING SOFTWARE

Analyzing Measurement Data



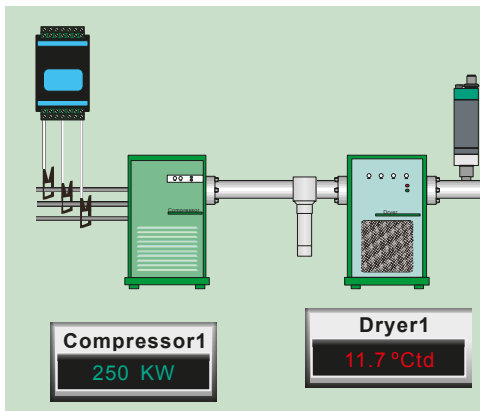
Easy to use graphics analyzes with zoom, scroll, different value axis.

Reporting Measurement Data



Convenient analyzes of daily, weekly and monthly gas consumption with costs.

Monitoring Alarms



Alarms are indicated and can be dismissed. An alarm history informs about the past situation

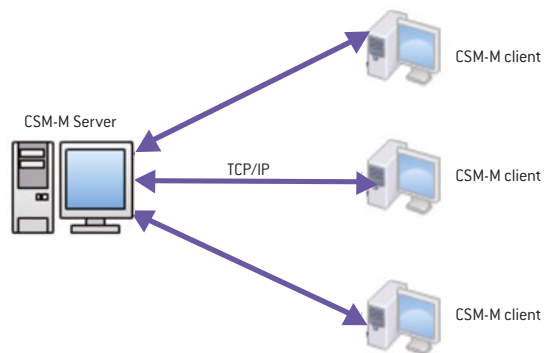
Exporting Measurement Data

Consumption Report

Consumption report Month July Time period 01/07/2010 to 14/07/2010

Channel type	Branch 1	Branch 1	Branch 1	Sum 1	Main 1
Description	Channel 9	Channel 11	Channel 13		Channel 7
Number	9		11	13	7
01/07/2010	4,963	14,780	3,749	23,492	23,899
02/07/2010	9,584	27,756	6,627	43,967	43,766
03/07/2010	5,922	14,501	4,346	24,769	24,777
04/07/2010	3,068	5,780	1,522	10,370	10,210
05/07/2010	7,247	19,561	4,570	31,378	30,976
06/07/2010	9,788	26,977	6,663	43,428	43,104
07/07/2010	10,098	27,762	6,524	44,384	44,153
08/07/2010	10,005	26,545	6,095	42,645	42,533
09/07/2010	9,919	26,023	5,997	41,939	41,679
10/07/2010	7,399	22,551	4,668	34,618	34,512
11/07/2010	2,968	8,440	1,650	13,058	12,980
12/07/2010	9,422	20,710	3,920	34,052	33,977
13/07/2010	12,586	26,674	5,547	44,807	44,366
14/07/2010	12,727	26,543	5,450	44,720	44,112
Total [m³]	115,696	294,603	67,328	477,627	475,044
Average [m³/h]	357	909	208	1,474	1,414
Costs [Euro]	11,570	29,460	6,733	47,763	47,504

Consumption report exported to MS-Excel.



CSM is continually developed with new features. One of the additional features available soon is the client application. It provides data analyzes on other Pcs not only within the LAN but also on PC through the internet. Please contact our sales offices for further information.

Order No.	Description
0554 7010	CS-Monitor CSM-S + DS Configuration, including USB cable, 2 pcs of serial number
0599 2020	CS-Monitor CSM-M Basic package up to 5 CS 325 / 323
0599 2021	CS-Monitor CSM-M Basic package up to 10 CS 325 / 323
0599 2022	CS-Monitor CSM-M Basic package up to 20 CS 325 / 323
0599 2023	CS-Monitor CSM-M Basic package up to 30 CS 325 / 323
0599 7010	CSM-S Software license
0598 7010	Upgrade CSM-S
0598 2020	Upgrade CSM-M
A1101	Consumption report generator for CSM-M
0554 0331	RS-485 / USB converter
0554 0010	RS-485 / Ethernet gateway
0599 2010	Compressed Air Analyzer software

Photos are for reference only. Outlook of products are regulated by real object. Details of this introduction may be subjected to change without further notice. CS-ITEC reserves right of final explanation on above contents.