

BMT 964 LINK Software Set-up

The LINK software is included with the 964 User Manual or is available for download at www.bmt-berlin.de/software

*Connect the instrument to a Windows based computer using *USB/Serial Adapter & Serial Cable* provided with instrument (see below)



(for Cabinet Models)

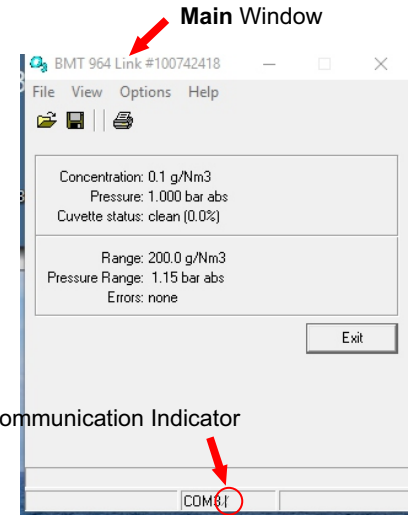


(for Standard Models)

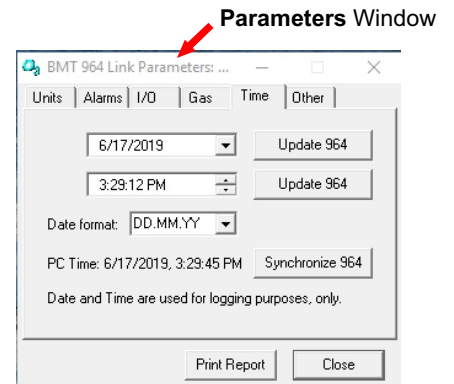
When the LINK software is opened, it will try to connect to the BMT 964 series instrument. Once connected, the *communication indicator* will spin as the software receives data.

Note: If software does not communicate with Analyzer, click the **Options** tab on the MAIN window and select **COM Settings** to select a different COM port (you may need to try several different COMM ports).

Next: Once software is connected, on the MAIN window, click the **View** tab and select **Diagnostics**. This will open the Diagnostics window as shown below.

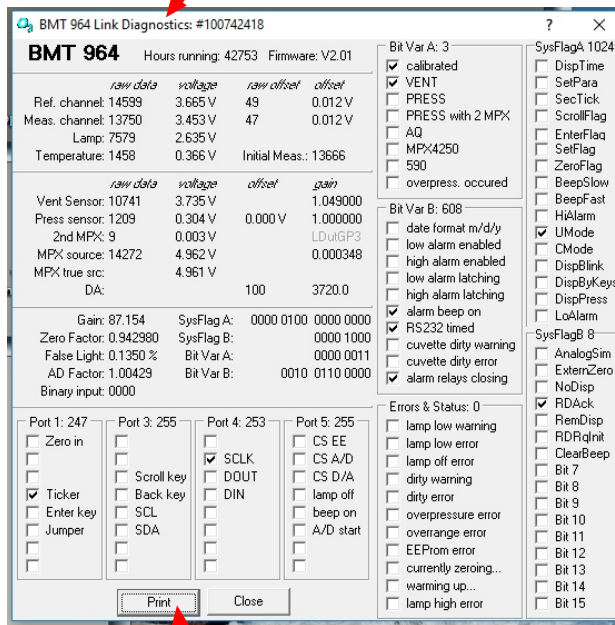


Communication Indicator



Parameters Window

Diagnostics Window



Print to (Save As) .pdf file

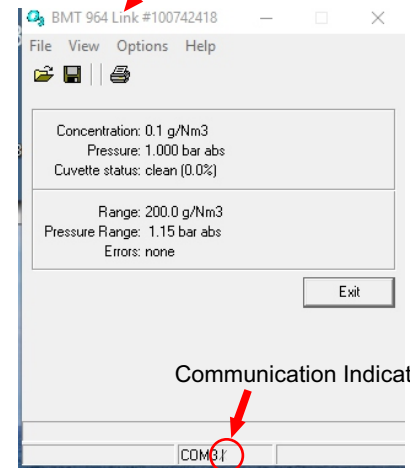
When the Diagnostics window opens and data populates the fields, press the Print button at the bottom (as shown).

When the Print window appears, select **PDF** as the printer, and Desktop as the file location. The *BMT964 Link Diagnostics* file should appear on your desktop.

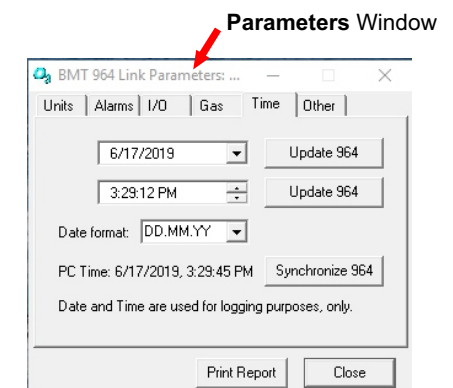
This report includes current circuit performance indicators and *Error and Event Logs* which provide some historical data (see example on next page).

Please **email** this file to OSTI for analysis.

Main LINK Window



Communication Indicator



Parameters Window

Diagnostics Report - Email a copy to OSTI

BMT 964 Link V1.54: Diagnostics report for #120543413, 6/20/2018, 2:03:37 PM

Serial Number:	#120543413	Hours running:	41093h
Firmware:	V2.04	Norm Temperature:	273.15 K
BMT 964 date:	6/20/2018	Norm Pressure:	1.01325 bar abs
BMT 964 time:	2:03:06 PM	Mol Weight:	31.99860 g/mol
Concentration:	1.6 g/Nm3	Low Alarm:	80.0 g/Nm3
Range:	200.0 g/Nm3	High Alarm:	160.0 g/Nm3
Pressure:	0.7990 bar abs	Alarm Beeper:	ON
Pressure Range:	1.15 bar abs	Alarm Relay:	closing upon alarm
Cuvette status:	warning level (55.8%)	Analog output:	measured
AZ Interval:	OFF	RS232 output:	every 1s
Purge Time:	10 s	User Baud rate:	9600
		Link Baud rate:	38400 (COM9)

Ref channel raw data:	14236
Ref channel voltage:	3.589 V
Ref channel raw offset:	53
Ref channel offset voltage:	0.013 V
Initial Brightness Meas.Ch.:	13650
Meas. channel raw data:	5949
Meas. channel voltage:	1.500 V
Meas. channel raw offset:	50
Meas. channel offset voltage:	0.013 V
Lamp raw data:	7837
Lamp voltage:	2.736 V
Temperature raw data:	1028
Temperature voltage:	0.259 V
Vent Sensor raw data:	8798
Vent Sensor voltage:	3.071 V
Vent Sensor gain:	1.072030
Press Sensor raw data:	622
Press Sensor voltage:	0.157 V
Press Sensor offset:	0.000 V
Press Sensor gain:	1.000000
2nd MPX raw data:	7
2nd MPX voltage:	0.003 V
2nd MPX gain:	-
MPX source raw data:	14327
MPX source voltage:	5.001 V
MPX source gain:	0.000347
true MPX source voltage:	4.967 V

G:	86.793
F:	0.0100 %
Zero:	0.423406

DA offset:	111
DA gain:	3717.0
AD-Factor:	1.00845

Binary IN:	0000
Port 1:	0000 1000
Port 3:	0000 0000
Port 4:	0000 0010
Port 5:	0000 0000

System Flags A:	0100 0100 1000 0000
System Flags B:	0000 0000 0100 1000
Bin Var A:	0000 0000 0000 0011 Standard
Bin Var B:	0000 0010 1110 0000 Beep on / 232 timed / DirtWarn / AR clos.
Error & Status:	0000 0000 1111 0111 DirtyWarn

20: 2/12/2018, 5:29:37 PM, Type 4: Zeroed, cuvette 0.0000 % dirty
21: 2/12/2018, 7:03:16 PM, Type 2: Switched off, at 296.4960 K
22: 2/13/2018, 8:28:01 AM, Type 1: Switched on, at 1.0240 bar
23: 2/13/2018, 5:20:29 PM, Type 2: Switched off, at 295.4370 K
24: 2/14/2018, 9:58:01 AM, Type 1: Switched on, at 1.0260 bar
25: 2/14/2018, 10:04:12 AM, Type 4: Zeroed, cuvette 0.0000 % dirty
26: 2/14/2018, 12:44:47 PM, Type 2: Switched off, at 295.7390 K
27: 2/16/2018, 8:24:01 AM, Type 1: Switched on, at 1.0180 bar
28: 2/16/2018, 12:07:30 PM, Type 4: Zeroed, cuvette 0.0000 % dirty
29: 2/21/2018, 12:10:27 PM, Type 2: Switched off, at 302.6220 K
30: 2/21/2018, 1:04:01 PM, Type 1: Switched on, at 1.0250 bar
31: 2/22/2018, 8:49:27 AM, Type 4: Zeroed, cuvette 0.0000 % dirty
32: 2/22/2018, 5:08:45 PM, Type 2: Switched off, at 296.3190 K
33: 3/27/2018, 10:04:01 AM, Type 1: Switched on, at 1.0210 bar
34: 3/27/2018, 11:10:01 AM, Type 4: Zeroed, cuvette 0.0000 % dirty
35: 3/27/2018, 1:36:12 PM, Type 4: Zeroed, cuvette 0.0000 % dirty
36: 3/27/2018, 2:17:44 PM, Type 4: Zeroed, cuvette 0.0000 % dirty
37: 4/2/2018, 2:30:37 PM, Type 2: Switched off, at 1.0070 bar
38: 4/15/2018, 2:30:01 PM, Type 1: Switched on, at 1.0070 bar
39: 4/23/2018, 11:36:11 AM, Type 1: Switched on, at 1.0150 bar
40: 4/23/2018, 11:37:01 AM, Type 2: Switched off, at 309.0000 K
41: 5/5/2018, 11:16:17 PM, Type 2: Switched off, at 1.0310 bar
42: 5/5/2018, 11:16:01 PM, Type 1: Switched on, at 312.8580 K
43: 5/9/2018, 8:44:44 AM, Type 4: Zeroed, cuvette 67.3770 % dirty
44: 5/9/2018, 8:45:00 AM, Type 2: Switched off, at 299.9240 K
45: 5/10/2018, 8:58:01 AM, Type 1: Switched on, at 1.0160 bar
46: 5/10/2018, 9:00:20 AM, Type 4: Zeroed, cuvette 55.8360 % dirty
47: 5/10/2018, 9:00:48 AM, Type 2: Switched off, at 296.8230 K
48: 6/20/2018, 3:29:01 PM, Type 1: Switched on, at 0.7990 bar

03:37 PM

BMT