

TG omni1-Remote Manual



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1 Why TG omni1-Remote?

TG omni1-Remote is a remote control and administration software for portable appliance testers. With this software you can generate individual test procedures for portable appliances, assign unique ID numbers to the appliances and perform the tests computer controlled.

Testing protocols with all test results values can be printed under MICROSOFT WORD. The software also allows an automated administration of inventory and test data.

For testers with built in memory the test data can be downloaded. It is also possible to transfer the inventory data to the testing device.

A test procedure consists of a series of test steps which are carried out one after another. For every step an upper and a lower limit can be entered. The measuring value is compared during the test and assessed with "OK" or "F". The test procedure may contain remarks or images related to each test step.

A special function makes it possible to enter measuring values by hand, or to enter a Go-/ No go assessment as the result of a visible inspection. Loops and program jumps make compact testing procedures possible. A procedure is generated by copying the commands from a maser procedure and modifying them subsequently. This enables an easy and fast way to generate a new procedure. All measurement results are saved in an ACCESS-data base and can be reloaded and printed at any time. Data of the TG omni1-Remote software can be imported on other computers.

2 System requirements

2.1 Hardware

- IBM-compatible PC Pentium 400MHz or above
- 64 MB RÁM
- 1 free COM port or a USB/Com adapter
- 40 MB hard disk space

2.2 Software

- MS WINDOWS 2000 / XP /VISTA /7, with additional installation steps WINDOWS 98, Me, NT 4.0
- The UAC must be turned off
- MS WORD 2000, 2003, 2007
- System administrators should have ACCESS 2000/2003/2007 for individual data base administrative tasks.

3 Installing the program

Safety-Remote is installed from a CD.

Follow the installation instructions.

For Windows NT4 the Service Pack 6 must be installed.

3.1 Arranging your company logo

With the installation the directory c:\logo is inserted. Rename the file "logo.bmp" and copy your logo into this place.

4 Starting the program

With the delivery of the software you get:

- A Master table with the list of all possible testing steps
- Procedure examples.
- Procedure examples for the test DIN VDE 0701-0702

When you start TG omni1-Remote you see the following screen:



<u>Inventory dData</u>	<u>Test Data</u>	<u>Test</u>	
Company	View Results	Online Test	
Customer	Read Tester Memory	New Procedure	
Devices	Transfer Inventory List to Tester	Change Testing Procee	lure
<u>Statistics</u>	<u>General</u>	Documentation	
Tests due	Import Data	Read Documentation	
Tests performed	Export Data		
Faulty Tests	Password		
Prepare List	Login		
			Version 1.2.36
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Start screen

Choose one of the shown options.

5 Generating a procedure

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3 Visual inspection	Question.jpg	×	- 3,0	Message						
4 Message	Message.jpg	×	- 3,0	Message						
5 Man measurement inp	ut Manmv.jpg	1 A A A A A A A A A A A A A A A A A A A	- 3,0	Message						t –
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7 Insulation resistance	sRINSLNPE.BMP	X X	× 3,0	LN body 500V		•		> 2,5 MOhr	1	
10 Differential current	sIDIFF.BMP	×	х 3,0	Normal	Normal				< 3,5 mA	T
11 Touch current	sISSQ.BMP	×	х 3,0	Accessible Part	Normal				< 0,5 mA	
30 No-load voltage	sUSSQ.BMP	×	- 3,0	Peak value	With Pot	Normal		10	< 113 V	
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36 Switch on mains		X	- 3,0							
39 Send A35 command		×	- 3,0	Command (IDI	\ \	1				
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Edit screen

In the upper half of the screen there is the source procedure from which you can copy lines to the destination procedure in the lower half of the screen. The source procedure can be the procedure "prcMaster" which contains all testing functions or any other procedure of the data base. Select the source procedure with the appropriate combo box. Similarly the destination procedure is selected. You



can choose a protocol form suitable to the destination procedure. The selection of the standard filters the procedures and form files fitting to the standard.

Mark one or several lines of the source procedure by:

- Using the menu "
- Click onto the left border
- Clicking the right mouse button when the mouse is above the field. Mark that line within the destination procedure in front of which you want to insert the line (Click onto the left border of the field)

Copy the procedure steps by click onto the blue arrow button. Now the following fields can be edited

- **Picture**: here you can insert the name of an image to the testing step, which must be located in the subdirectory "Pictures" Note: It is possible to set animated files with the ending .avi. These are played repeatedly without sound
- Remark: during the testing step the remark is clearly visible for the tester in the upper screen
- Prot: with an "x" you decide whether the testing step shall appear in the protocol.
- WrstCse: this is a special field for the testing device. When it is ticked the intrinsic error of the testing is taken into consideration when calculating the measurement value. Note: in the master procedure those test steps are marked for which the worst case calculation is applicable. (a mains voltage measurement e.g. is not possible with worst-case calculation because there are no clear limits and the intrinsic error may be taken to the upper and the lower side.)
- Time: here, you enter the testing time. During this time the measurements are performed continually and min, max and worst case values calculated on each result. Note: If you set the time 0, the testing person must enter a key before the test is continued. This makes sense for measurements in which the probe is to be contacted on several test points.
- Par1...Par4: In these fields you enter the parameters to the measurement. There are
 measurements without parameter, with list parameters where you can choose a parameter
 from a option selection (e.g. "DC") and parameters where you must enter a value (e.g. 500V
 for the insulation resistance test) or where you must enter a text (e.g. user notes)
 Note 1: to prevent an unnecessary switching on and off of the tester pay attention that all
 mains measurements are performed consecutively.
 Note 2: When entering a parameter you the possible entries in the status line below.
- Min, Max: These are the limits for the measurement. Note: limits can be entered with or without a unit. The normal units are interpreted as follows:
 n= 10⁻⁹, u= 10⁻⁶, m= 10⁻³, k= 10³, M= 10⁶

The testing steps can be divided into the following categories:

- Measurement commands
- Questions or notes to the testing person
- Jumps and compare commands.

The testing procedure can be printed with WORD.

5.1 Jump commands

Jump commands are usually not needed. They mainly shorten the testing procedures by going through a routine several times.

The Jump commands always require a destination which is defined in a parameter. The Command "Jump on result" compares the test result with the value and jumps to the destination if the condition is true.

6 Connection of the unit under test

Connect the test instrument and the unit under test according to the instructions in the manual. Connect the computer to the unit under test using a serial cable or via a USB/COM-converter.



7 Performing a test

After having defined the test procedure, connect the test instrument with the computer. Start the test with click on the menu test/start or click the GO button.

Enter the ID number of the unit under test and its specifications.

, Please enter	
Customer No	Selection
Name	
Procedure	•
Testing Person	
Order Number	
Device	
Manufacturer	
Model	
Class	
Standard	
Sub Standard	
Factory Number	
Remark	
Testing interval	
ID No	

ID number entry

The ID numbers can also be entered via a barcode reader connected in parallel to the computer keyboard.



Test-image	Test proc	edur	e	Re	esults			Latest	Meas					
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After entering the ID number you get the following screen:

Test screen

In the top of the picture an image shows how the unit under test is connected. You can enter any image fie to each step. Next to the picture the measured and the limit values and a remark to the test step are displayed. In the table on the bottom half of the screen below the results are recorded one after another. If it is needed the program asks the user to enter a value or press the enter key.

After performing a test sequence you can print the test protocol by the following means:

- Menu file/print
- Right mouse button
- Toolbar Button

TG omni1-Remote Manual



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7 Berührung						,5 mA	ок	
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Test protocol under WORD



8 Customer data

You get to the customer administration through the menu file/customer or through the button on the menu bar.

6	Customer Selecti	on		🕒 Customer Data	
M	USTERMANN	•		Customer No	0001
	Cutomer No 0001 0002 0003 0004 0005 0007 0001 0010 0011 0014 0015 0016 0016	Name MUSTERMANN Günter Schneider [Eigene Prüfungen] Reparaturer/Prüfungen für Firma Rehm Dietma Brendel MUSTERMANN ' Firma. Kempf Firma. Henberger Werk 1 345 Werk 1 345 Werk 1 346	DK	Name Contact Streete ZIP City Country Telephone	MUSTERMANN

Customer selection and customer data entry

9 ID Numbers

The TG omni1-Remote database administers ID numbers and the inventory data as well as the accompanying inventory data. An Import function allows the inventory data to be imported from PC. Doc-Access.

Inventory data	l	Mea	as Start											
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			/		ID n	umbers								
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prc544Drehstrom	0001	MUSTERMANN	8004220	300	Schweißgleich	ESAB	LHF 400	I		701126620	6	19.05.2005 23	F	19.11.2005
prcS3NTest	0001	MUSTERMANN	8004220		Schweißgleich	ESAB	LHF 400	I		701126620	6	27.03.2005 18	ок	27.09.2005
prc544Drehstrom	0001	MUSTERMANN	8005601		Schweißanlag	RS Technologi	MS 160	I		16060019	6			
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ID numbers

If you mark the ID number and then click the start button, the test procedure belonging to the ID number is automatically loaded and started. Besides the inventory data you also see the most important test details:

- Test interval
- Latest test
- Test result
- Next test date.

The list with the ID numbers can be printed through Word.



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prcS44Dre 8005172 Wig Migstronic Pilot 2400 I 03040391	6 28.10.2004.08.03.13 OK 28.04.2005 9
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ID numbers under WORD

9.1 ID Number filter

ID numbers and results can be filtered. Click on Extras/Filter or on the according button of the menu.

🛱 Filterdefini	ition			
	Field	Function	Value	
Filter 1	-	-		
	Kunde Identnummer	Fällig		
Filter 2	•	•		
	Kunde Identnummer	Fällig		
Filter 3	-	-		
	Kunde Identnummer	Fällig		
	Filter = (Filter 1) AND (Filter	2) AND (Filter 3)	Delete	Calculate
				OK

Filter mask

The filter mask can has three possible entries. You can enter criteria for each field of the ID number table. The most important criteria are selectable via a button.

Meanings:

Customer: The currently selected customer, i.e. only the ID numbers of the selected customer are displayed.

ID-Number: The currently selected ID number. Only data of this ID number is displayed.

Due: The next test is in due. All data is shown for appliances of which the date for "next test" lies in the past.

The button "**Calculate**" copies the Filter criteria into the line at the bottom of the window and applies them to the data in the ID number display.

The button "Delete" deletes the filter criteria.

Example 1: You want to print all devices for the selected customer for which the testing date is due. In addition the appliances should be sorted by the field ID number.

In "Filter 1" Click on customer.

In "Filter 2" Click on Due.

Click on calculate. Only those ID number records are displayed which match the filter criteria. Menu File /Print preview

Example 2: You want to print all devices which are tested with procedure "G400S". In Filter 1 you select the field "Procedure name". In function you select "= (equal to)".



In value you enter G400S

Button "calculate"

9.2 Entering Inventory Data

In order to enter a new record click onto the key at the bottom of the window. The entry mask appears:

🛱 Please enter	
Customer No	0011
Name	SM BESIGHEIM
Procedure	prcMemS370xSKlakt
Testing Person	Administrator
Order Number	A0001
Cost center	•
Device	BOILER
Manufacturer	Siemens
Model	•
Class	l
Standard	VDE0701 •
Sub Standard	•
Schutzleiterlänge	•
Heizleistung	-
Factory Number	
Remark	•
Testing interval	12 •
ID No	0009
	Cancel OK

Please enter the ID number at the bottom first. It is marked red if it exists already in the database. Next select the customer and the testing procedure.

For tests performed by the	e tester itself (not in online mode) the following names are predefined:
Name	Meaning
prcMemS370XSKlakt	Class I, active measurement
prcMemS370XSKIIakt	Class II, active measurement
prcMemS370XSKIpas	Class I, passive measurement
prcMemS370XSKIIpas	Class II, passive measurement
prcMemS370XVerI	Extension lead
prcMemS370XSKIfest	Class I, permanent connection
prcMemS3544SKI	Class I, arc welding machine
Enter other inventory dete	an well as the values for the length of the newer cord and the besting newer

Enter other inventory data as well as the values for the length of the power cord and the heating power.

After entering the inventory data it may be transferred to the tester. Select the ID numbers to be transferred and select Menu/Transfer selected ID numbers.

Note: The procedures prcMem... are empty. The names are dummies for the procedures stored in the tester.

Procedures cannot be transferred to the tester. They can be performed only in online mode.



10 Administration of Results

All results are saved in an extra database. Click on file/results or on the toolbar button

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E123456789	irg.Nr	1 2 3 4 5 6 7 7 8 9 10	Prüfung Sichtprüfung Schweiße Bedienhinweis Schutzleiter Isolationswiderstand Isolationswiderstand Differenzstrom Berührungsstrom Bedienhinweis Berührungsstrom	Pro 9it X - X X X X X X X	- • • • • • • • • • • • • • • • • • • •	 1,0 3,0 3,0 2,0 2,0 2,0 2,0 3,0 3,0 1,0 	Erg Par1 SL Sonde anschließe LN-SSK 1000V LN-Körper 500V SSK-Körper 500V Normal Andere Teile Brennertaste betätig ISSQ +/-	ebnisse P Par2 P 		> 5 MOhm > 2,5 MOhm	< 0,3 Ohm < 0,3 Ohm < 3,5 mA < 0,5 mA < 10 mA	0,161 Ohm > 30,000 MOhm > 30,000 MOhm > 30,000 MOhm 0,360 mA 0,018 mA 0,252 mA	ОК ОК ОК ОК ОК ОК ОК
E 1 2 3 4 5 6 7 8	irg.Nr	1 2 3 4 5 6 7 8 9	Prüfung Sichtprüfung Schweiße Bedienhinweis Schutzleiter Isolationswiderstand Isolationswiderstand Differenzstrom Berührungsstrom Bedienhinweis	Pro eit x - x x x x x x x x x x x z x	- X X X X X X X X X	(1,0 3,0 2,0 2,0 2,0 2,0 2,0 3,0 3,0	Erg Par1 SL Sonde anschließe LN-SSK 1000V LN-Körper 500V SSK-Körper 500V Normal Andere Teile Brennertaste betätig	ebnisse Par2 P		> 5 MOhm > 2,5 MOhm	< 0,3 Ohm < 3,5 mA < 0,5 mA	0,161 Ohm > 30,000 MOhm > 30,000 MOhm > 30,000 MOhm 0,360 mA 0,018 mA	ОК

Screen results

For opening a result you mark it in the upper part of the window and then click on the "open" button. You can mark several results and delete them together.

Results may be filtered in a similar fashion as ID numbers.

11 Read Tester Memory

Click on "Read Tester Memory" in the start mask.

All stored records are read. For each record the program asks you if you want to take the customer data from the tester memory or if you want to select the customer displayed in the combo box. If you select the customer from the tester memory then a new customer record will be added to the database if the spelling of the customer name is not identical to that included in the database.

ID number	SK1	Device	TEST
	Select SW		Select tester
Customer	SM BESIGHEIM Custom		MUSTERMANN
Customer no.	0011		0009
Street			
ZIP			
Location			
	Apply this measurement to the customer selected by the SW	;	Apply this measurement to the customer selected by the tester
	<u>ок</u>		ОК
	Without confirmation		

Assigning the test results to a customer



If you click on "Without confirmation" all future data records of the same customer will be either assigned to the database selection or to the tester memory. If the menu Options/ Use department is selected the customer names of the tester entries are assigned to the departments. In this case the name of the customer is always taken from the database.

After the reading in you can either delete or keep the data in the tester memory.

In the result window you can now display the results:

1	<u> </u>	2														
_							Re	esults list							1	×
	Cust	omer N	io Name	Procedure na	me	ID-No.	De	evice	Serial No	Testing Pers	No.	Order No	Remark		1	~
	0001		MUSTERMANN	prcMemS370×Sk	IIakt	010339	Bo	hrmaschine		JENS DAMMERS	1	00001			1	
•	0001		MUSTERMANN	prcMemS370xSI	(IIakt	010356	Bo	hrmaschine		JENS DAMMERS	1	00001			1_	Protocol Template
	0001		MUSTERMANN	prcMemS370×Sk	IIakt	010389	Bo	hrmaschine		JENS DAMMERS	1	00001				
	0001		MUSTERMANN	prcMemS370xSk	IIakt	010405	Wi	nkelschleifer		VERMEULEN	1	00001				
4							_				-			•	1	
_									Results							
	Res.	No 1	ſest		Prot	WrstC	Time	Par1	Par	2 Par3	Par4	Min N	1ax Re	esult	OK	
۲	2	0 V	isual inspection		x	-	0,0	Schutzleiter							OK]
	3	0 V	isual inspection		×	-	0,0	Gehäuse							ОК	1
		0 V	isual inspection		x		0,0	Isolierteile							OK	

Testing results

Choose a suitable testing protocol template and print the results via Word.

🐏 podrVDE701S3	Nger.RTF - Microsoft Word			
Datei Bearbeiten g	ansicht Einfügen Format E⊻tras Tabelje Eenster <u>?</u>			
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-				
-	Überprüfung der e			
N. 	nach DIN VDE	0701/DIN VDE 07	702	
-	Auftraggeber:	Kundennummer:		
m	MUSTERMANN	391		
-				
4	Ident. Nr.: 500039480949 Geräteart: KOCHER			
-	Hersteller: SIEMENS			
ທ	Typenbezeichnung:			
1	Schutzklasse:			
0	Prüfer: Administrator			
1	Prüfdatum: 31.10.2004 15:44:00			
	Prüfzyklus 12 Monate			
1	Nächster Prüftermin: 31.10.2005			
00	Bemerkung:			
12	Pruter	gebnis: OK		
6	Besichtigung:			
	Besichtigung.			
1	[OK] Schutzleiter in Ordnung (nur bei Schutzkla	asse I)		
7	[OK] Gehäuse und mechanische Teile in Ordnu	ung		
÷.	[OK] Isolierteile in Ordnung	01	16	
7	[OK] Geräte-Anschlussleitungen einschließlich [OK] Aufschriften vorhanden bzw. vervollständi		inei	
Ň	[OK] Sonstiges	gi, rypsonia korroki		
- 12				
- 				
13.	Elektrische Prüfung: Prüfung	Grenzwert	Messwert	OK/F
<u>.</u>	Prurung	Grenzwert	wesswert	
÷	Schutzleiterwiderstand	< 0.3 Ohm	0.052 Ohm	ок
-	Isolationswiderstand	> 1 MOhm	> 20 MOhm	OK
- • 15 • - • 14 • -	Differenzstrom	< 3,5 mA	0 mA	ОК
	Phasenspannung		233 V	
-16.	Phasenspannung		0 V	
-	Phasenspannung		0 V	+
-11	Phasenstrom Phasenstrom		0 A 0 A	+
1	Phasenstrom		0 A	+
81	Leistung		0 W	-
-	Leistung		0 W 0	1
-11	Leistung		0 W 0	•
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12 Transferring the Inventory Data to the Tester

Change to the ID number view and select the records to be transferred.

ID numbers										
	Procedure name	Name	ID-No.	Cost center	Device	Manuf.	Model	CI	Standar	
	prcMemS370xSKIakt	Mustermann GmbH	00001	MUSTERMANN	TAUCHSIEDER	SIEMENS		I	S370xSKL	
	prcS3N701Drehstrom	Mustermann GmbH	00001	MUSTERMANN	TAUCHSIEDER	SIEMENS		I	S370×SKI	
	prc7015KIDrehstrom	Mustermann GmbH	000013					I		
۲	test essen	Mustermann GmbH	000013					I		
	TestOlympus	Mustermann GmbH	000013					I		
	prc544Drehstrom	Mustermann GmbH	00002					I		
	prcMemS370xSKIakt	Mustermann GmbH	00002	MUSTERMANN	NETZTEIL	DELL		I	5370×5KL	
	prcMem5370x5KIIakt	Mustermann GmbH	00003		BOILER	ROWENTA		п	5370×5KI	
	prcMemS370xSKIakt	Mustermann GmbH	00004		BOILER	ROWENTA		I	5370×5KL	
4									F	

Transferring selected ID numbers

Select the menu File/Write the selected ID numbers to the tester memory. The records are transferred.

If the menu Tools Use cost center when reading memory has been selected then the cost centers instead of the customer names are transferred.

13 Working with a Password

The program supports a password login on the basis administrator and user. The administrator is not identical to the Windows administrator. After installing the program the password functionality is deactivated. You have all rights and the user name is "Administrator". After logging in only the administrator may change procedures or delete records.

13.1 Installing the Password Functionality

Select the menu "Tools/Password setup...".

Change password	\mathbf{X}
 Administrator password User password Stop on Fail 	
User Heinz Huber Herbert Müller *	
Cancel OK	

Installing users

Activate the check boxes "Administrator Password" or "User Password". If "Administrator Password" is selected only then the users need not login. In order to do changes you have to login as Administrator, however. If the check box User Password is checked, the checkbox Administrator password will automatically be checked.

After activation you have to log in as Administrator. The initial password is empty.

Enter the users into the user list. The must enter their name when logging in. The initial password is empty. If the user has forgotten his password, delete him from the list and enter him again. He will then have an empty password again.

13.2 Entering a Password

The password menu is activated when the program starts or by the menu "Tools/Login...".



🛤 Login	
Name Password	Administrator 👤
Car	ncel OK

Password entry

13.3 Changing the password Select "Tools/Change password…"

	le enange paseneral			
Change Password				
<u>B</u> enutzername: Old Password	Administrator			
New Password				
Repeat				
	Cancel OK			

Change password

A password must contain at least 4 characters.

14 Installing a Network Version

Copy the files "Pcdrdata.mdb", "Pcdrarc.mdb", "Pcdrcal.mdb", "Pcdrpw.mdb", "Pcdrproc.mdb" to a shared network path. For each client setup the path via "**Tools/Network path...**". **Note**: Working on a network is slower than working on a private folder.

Note: The databases "PCDRtbl.mdb" and "Pcdrlng.mdb" stay inside the private folder.

The program uses several databases which are interlinked. Refer to the chapter "Databases".

15 Rarely used Menus

15.1 File/Append a procedure...

Select **File/Append a procedure...**. Select the procedure which you want to append the currently selected procedure.

15.2 File/Save procedure as...

Select this command to duplicate a procedure.

15.3 File/Save procedure as file and File/Import procedure file...

This command stores a single procedure into a database of the same name as the procedure. Reversely a procedure may be imported

15.4 File/Import procedure...

This file imports a procedure from the original database containing all procedures, pcdrproc.mdb.

15.5 File/Import all procedures

This command imports all procedures from a database pcdrproc.mdb.

15.6 File/Import all data File/export all data

Test data is exported or imported.



15.7 Options / Field lengths...

🖻 Field le	engths						
	Fo	rmat					
Customer	0000#						
ID number	000000	#					
Use format when rading memory							
	Correct	OK					
			_				

This menu defines the lengths of the customer number and the ID number. The entry is terminated with #. If "Use format when reading memory" is checked the numbers are padded with leading zeroes when reading in the tester data. The button "Correct" causes all data in the database to be corrected.

15.8 Tools / ID Number Conversion...

This mask allows you to separate the ID number into up to 4 inventory fields.

🛤 ID numbe	er fixed data	relation	
	ID numl		
ID numl	per position	Field name	ОК
Begin	End		Cancel
1	12	FactoryNumber 🗨	
9	12	Туре 💌	
		•	
		•	
		by "Type" and "Sub Standard")	
📃 Ident	ify the Protocol t	emplate defined by "Type" and "Sul	b Standard''
🔲 Autor	matic ID number:	3	

ID Number Conversion

In ID number position you enter which characters are to be ordered to which field name

If "Identify procedure by type and sub standard is checked the testing procedure is selected according to these parameters. Similarly for the protocol template.

15.9 Tools / ID Number Captions...

This menu allows you to change the captions of the inventory data fields.

15.10 View / Columns

The columns to be viewed in the ID number and result mask can be selected.

15.11 Tools / Start with Test

If this option is selected the program starts with Online Measurement directly after the start.

15.12 Tools / COM Port

The program automatically searches COM 1 to 16 and stores the COM port number. However, this menu allows you to tell the program to open a specific COM port first.

15.13 File /Store to Archive..., Read from Archive

This function allows you to archive old results in order to compact and speed up the database.



🖻 Input	K						
Archive date							
Please enter the archive date (older data will be archived):							
Input							
Cancel Continue							

Store to Archive

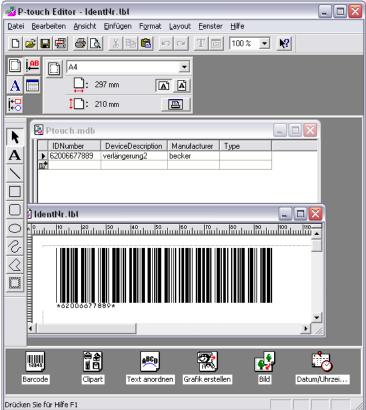
🖻 Eingabe	×
Dearchivierdatum	
Dearchivierdatum (neuere Daten werden eingelesen). Archiv hat Daten bis: 31.12.2002 11:36:31	
Eingabe 1.1.2003	1
Abbruch Weiter]

Read from Archive.

15.14 File / Print Selected ID Numbers on Barcode

For Ptouch barcode printers the ID numbers may be exported to a Ptouch database. The Ptouch editor has to be installed already.

Select the ID numbers and select the menu.



The ID numbers are exported to the database Ptouch.mdb and the Editor ptedit3.exe is started. The file Identnr.lbl contains the template fort he barcode. Now Id numbers may be selected and printed with the Ptouch Editor.



16 Select/Copy/ Right Hand Mouse Button / Using the Keyboard *16.1 Right hand mouse button*

The right hand mouse button gives you the most important functions: print, select and copy. The Copy menu is active only if rows have been selected. The selected fields are copied to clipboard and may be inserted to other documents, e. g. Excel spread sheets.

					ID	numbers								
Procedure name	Customer	Name	ID-No.	Cost cente		Manuf.	Model	CI	Stan	Serial No	Interva	Last Tst	Result	Next Test
prc544Drehstrom	0001	MUSTERMANN	121020 001		PA64	Meier		I			12			
prc544Drehstrom	0001	MUSTERMANN	121020 001		PA64	Meier		I			12			
prc544Drehstrom	0001	MUSTERMANN	121020 001		PA64	Meier	Selection st	art			12			
prc544Drehstrom	0001	MUSTERMANN	121020 001		PA64	Meier	Selection er				12			
prcMemS370xSKIakt	0001	MUSTERMANN	200941	Werk 1 34	Bohrständer		Сору		5370»		12	24.04.2005 19	F	24.04.2006
prcMemS35445KI	0001	MUSTERMANN	200944	Werk 1 34	11111RRRRR		Delete		53544		12	07.05.2005 17	ок	07.05.2006
prc544Stufe	0001	MUSTERMANN	4711		Wig Schweiss	Migatronic	Protocol vie	w		03060932	6			
prcMemA3ST	0001	MUSTERMANN	4711		INVERTER	Lorch	Print				12	17.11.2004 23	OK	17.11.2005
prcMemA3ST	0001	MUSTERMANN	4714		Mag Schweise	Lorch		I	T		12	01.10.2004 13	OK	01.10.2005
prc544Drehstrom	0001	MUSTERMANN	8004220	300	Schweißgleich	ESAB	LHF 400	I		701126620	6	20.05.2005 09	F	20.11.2005
prcS3NTest	0001	MUSTERMANN	8004220		Schweißgleich	ESAB	LHF 400	I		701126620	6	27.03.2005 18	OK	27.09.2005
prc544Drehstrom	0001	MUSTERMANN	8005601		Schweißanlag	RS Technolog	MS 160	I		16060019	6			
prc544Drehstrom	0002	Günter Schneide	121020 001		PA64	Meier		I			12			
prc544Drehstrom	0002	Günter Schneide	8004 206		Schweißgleich	Esab	LHF 400	I		701 027 837	6	18.11.2004 11	OK	18.05.2005
prc544Drehstrom	0002	Günter Schneide	8004153		Wig Schweiss	ESAB	LHL 315	I		700836823	6	27.10.2004 13	OK	27.04.2005
prc544Drehstrom	0002	Günter Schneide	8004159		Schweißgleich	ESAB	LHF 400	I		701850007	6	03.11.2004 11	OK	03.05.2005
x) (Eh	G (G		3											
	<u> </u>	<mark>7</mark> L L										20.05.2005	05	

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	A1		•	-	Procedur	e name													
		A	В		С	D	E		F	G	н	I	J	к	L	M	N		
1	Proce	dure na	Custome	r No	Name	ID-No.	Cost ce	enter	Device	Manuf.	Model	CI	Standard	Special	Serial No	Remark	Interval	Last	Ê,
2	prc54	4Drehs		1	MUSTERMAN	121020 001	0002		PA64	Meier		I						12	
3	prc54	4Drehs		1	MUSTERMAN	121020 001	0003		PA64	Meier		1						12	
4	prc54	4Drehs		1	MUSTERMAN	121020 001	0004		PA64	Meier		I						12	
		4Drehs		1	MUSTERMAN	121020 001	0005		PA64	Meier		I.						12	
		mS370		1	MUSTERMAN	20094	1 Werk 1	346	Bohrständer			1	S370xSKlakt					12 ###	
	prcMe	mS354		1	MUSTERMAN	20094	4 Werk 1	346	11111RRRRR	R		1	S3544SKI	Heizleistung:	Anschlusslä	<u>in qe: < 5 m</u>		12 ###	
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Inserting the results to Excel

16.2 Keyboard

The keys Shift and Ctl may be used together with clicking the mouse to select several rows.

16.3 Selecting a Table

Click onto the left hand top corner in order to select a complete table.

17 Changing the Protocol Templates

The protocol templates may be edited using WORD. Copy a form to be changed to a new name prior to editing it. The templates should bear the ending ".frm".

18 Inserting Your Company Logo

Follow the menu "Change Logo in Protocol Templates..."

19 Inserting Lines to the Protocol Template

The protocol template contains invisible control characters. Make the visible by selecting

Each field has a number of the following format:

#@(59,32) @#

where: #@ - delimiter 59 - Field number

59 - Field numbe



32 - Maximum number of characters for the field

Space - Dummy character for the data. The format of the space character determines the output format (e.g. colour).

Several lines contain the same field numbers. A line is terminated by the "+" character after the field length., e. g.: #@(66,32+) @#

Note: The field number 0 is requires to be present in each protocol. The field numbers can be viewed by opening "pcdrtbl.mdb" and the table "tblProtocol" with Access. Die Feldnummer 0 muss immer im Protokoll vorhanden sein.

20 Databases, Folders, Protocol Templates, Procedures

The software uses several databases for storing the data. The may be opened by Access 2000 or higher. Access itself contains the possibility to work with the same set of data from several client PCs. **20.1 Databases**

Database	Function
Pcdrtbl.mdb	This is the main database. This database contains the connections to the other databases. Al user data is kept in this database.
Pcdrdata.mdb	 This database contains the inventory and the test data. It is backed up when reinstalling the SW. When using a shared system, copy this database to the server. The management of the data is done automatically by Access. Refer to the linked under Access to see the hierarchy. If for example a customer is deleted, then all data of equipment belonging to the customer is deleted and also all test data belonging to the equipment.
Pcdrproc.mdb	This database contains the test procedures.
Pcdrarc.mdb	This database contains archived test and inventory data.
Pcdrpw.mdb	Here the password data is kept
Pcdrcal.mdb	Contains calibration data
Pcdrlng.mdb	Contains language information.

20.2 Directories

The program contains folders with specific names:

Directory	Contents
Forms	Contains the protocol templates.
Pictures	Contains all pictures used in the test sequence.
Doc	Contains the manual and other documents
Backup	Contains the backup data of the previous installation. Additionally the backup of the menu "File/Backup Databases" is done into this folder. The sub folders are named by their dates of creation.

20.3 Protocol Templates

The following general templates are included.

Name	Usage
Pcdreng.frm	General protocol template
Pcdrpeng.frm	Template fort he testing procedure
Pcdrieng.frm	ID number protocol template
Pcdrceng.frm	Template for displaying the past 5 results



21 Solving Problems

21.1 Communication

Ensure that the tester is turned on. Close all programs using the COM port, e. g. Active Synch programs. When using the USB converter install the software from the disk.

21.2 Hardware Problems

Send an Email to info@g-mw.de

21.3 Problems when Installing

You need administrator rights for your PC. For WIN NT you need service pack 6. For WIN 98 you need MDAC_TYP.EXE. Email <u>info@g-mw.de</u>.

21.4 Software Problems

Load the latest version under www.g-mw.de downloads.

21.5 Importing Data

When the program is installed all old data is automatically read in after starting the program for the first time. Otherwise use the file menus "Import all Procedures" and "Import Test Data".

21.6 Protocol Problems

Only those lines are printed which contain a – in the field "Prot". When changing templates, ensure to have the identical number of lines in the protocol template as you have in the procedure.

22 Appendix Copyright Notice

This software has copyright.

The manufacturer assumes no liability for damages which may result when using the document or the software. A software licence allows the software to be used for one tester and an unlimited number of computers for one company.