

MeasConv

Aris Basic

COLLABORATORS

	<i>TITLE :</i> MeasConv		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
WRITTEN BY	Aris Basic	December 8, 2024	

REVISION HISTORY

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Chapter 1

MeasConv

1.1 MeasConv 1.50 Guide

MeasConv 01.50 Guide
Version 01.10
© Aris Basic
GMYware

Introduction
Installation
Requirments
GMYware

Args, ToolTypes and Default Settings
Main Window
Length Converter Window
Other Converters Window

MeasConvRx
MeasConv.library

History
ToDo
Bugs
Author

1.2 Intruduction

Introduction

MeasConv is a Measurment Converter with Font Sensitive and User Friendly GUI.

Till now Supported measurments are:

For Length Conversion:

- Centimeter
- Kilometer (100000 Centimeters)
- Inch
- Foot
- Mile

For Weight Conversion:

- Kilograms
- Pounds

For Temperature Conversion:

- Celsuis Grades
- Fahreheit Grades
- Kelvin Grades

If in Your Country Are in Use some other Measurments for any of this or some other type of Measurments notice me with.How to do that see Author

1.3 Installation

Installation

Is very simple copy main program where you want ,copy your prefered language catalog in LOCALE:catalog or keep it in directory where is main program and copy measconv.library to LIBS:.

For ReCompiling the source module confuncs.m needs to be in same directory as main source MeasConv.e and you need also registred version of Amiga E 3.2a by Wouter van Oortmerssen and also modules:

- oomodules/eLocale.m by holly Me
- oomodules/msgport.m by holly Me
- tools/blockinput.m by holly Me

and some other modules which are in AmigaE 3.2a distribution (extras archive)

1.4 Requirments

Requirments

This Program needs at least AmigaOS 2.04 or 2.1 (for locale support) (I haven't tryed on less then OS 3.0 but it should work)
And measconv.library (in Distribution)

1.5 GMYware

GMWare
(Give Me Yours ware)

GMWare is an new type of Software distribution (Made by my Glorius Mind :))

1. Every GMWare Program must be distributet with Source
2. Everyone who uses an GMWare program must send to author of program an own program (No Matter what type of it but it must be full Version {Registed for Shareware programs, or Full Komerical release} and with source if this program is Public Domain, FreeWare, GMWare or ...), a PostCard or money (worth \$5-DM20) in some currency
3. Everyone who uses part of an GMWare program or change them must send to original author his program (without source if program isn't PD, FW, GMYW, ...)
4. Every GMWare program can be distributet on BBS's, Internet FTP Sites, CD ROMs and any other media if full program archive is included and maker of collection dosn't make any provision.
(excluded normaly charge for CD or FD , highest 25\$ for CD or 3\$ for FD)
5. Parts or Full GMWare program can be used in other programs if 3=TRUE :))

1.6 Arguments ToolTypes and Default Settings

Arguments, ToolTypes and Default Settings

ToolTypes:	Meaning
- NOPOPUP	don't open main window at startup
- PUBSCREEN=[]	open MeasConv or its Windows on PubScreen []
- NODEFAULTPUBSCREEN	don't open MeasConv on default pub screen instead use Workbench
- MAIN_HOTKEY=[]	change hotkey for main window DEFAULT rawkey lalt m
- LENGTH_HOTKEY=[]	change hotkey for length conv. window DEFAULT rawkey lalt l
- OTHER_HOTKEY=[]	change hotkey for other convs. window DEFAULT rawkey lalt o

Arguments:

- NOPOPUP	same as tooltype
- PUBSCREEN=[]	same as tooltype
- NODEFAULTPUBSCREEN=NODPS	same as tooltype

1.7 Main Window

Main Window

When You start MeasConv You it should be Opened one Window (IF ARG OR TOOLYTYPE ← NONPOPUP WAS NOT SET)

In Window You Then there should be 5 Button gadget.
(That Should Look SOMthing Like this)

|-----|

```

|      MeasConv 1.50      |
|      © Aris Basic 1995  |
|      GMYware            |
|-----|
|      Length Converter   | <- Pop's up Length Converter Wondow
|-----|
|      Other Converters   | <- Pop's up Other Converters Window
|-----|
|      About              | <- Pop's up ABout Requester
|-----|
|      Hide              |      Quit              |
|-----|

```

```

      ^              ^
Closes Main      Quits MeasConv
Window And
Wait For
Hotkey

```

MENU

```
About <- Pop's up ABout Requester
```

Converters-

```

Length Converter <- Pop's up Length Convertor Window
Other Convertors <- Pop's up Other COnvertors Window

```

```

Hide <- Closes Main Window and Wait for Hotkey
Quit <- Quit MeasConv

```

1.8 Length Converter

Length Converter

```

|-----|
|Length Converter|
|-----|
|Centimeters | || <- Put Value in String gadget and press Return ↵
|to
|-----| Convert Centimeters in other Measurment ↵
|Systems
|Kilometers | || <- Put Value in String gadget and Press Return ↵
|to
|-----| Convert Kilometers in other Mesurmenst ↵
|Systems
|Inches | || <- Put Value in String gadget and Press Return ↵
|to
|-----| Convert Inches in other Measurment Systems
|Feets | || <- Put Value in String gadget and Press Return ↵
|to
|-----| Convert Feets in other Measurment Systems
|Miles | || <- Put Value in String gadget and Press Return ↵
|to
|-----| Convert Miles in other Measurment Systems
| BackToMain | Exit |
|-----|
      ^              ^

```

```

Opens Main      Closes
Window          Length Converter
if they is      Window
Hidden
and Closes
Length Conv.
Window

```

MENU

```

BackToMain      <- Open Main Window is they is hidden and Closes Length Converter  ↵
Window
Exit            <- Closes Length Converter Window

Quit            <- Quits MeasConv

```

1.9 Other Converters

Other Converters

```

|-----|
|Weight Converter|
|-----|
|Kilograms  |  |  |  <- Put Value in String gadget and press Return  ↵
|    to    |
|-----|          Convert Kilograms in Pounds
|Pounds     |  |  |  <- Put Value in String gadget and Press Return  ↵
|    to    |
|-----|          Convert Pounds in Kilograms
|Temperature Converter|
|-----|
|Celsius    |  |  |  <- Put Value in String gadget and Press Return  ↵
|    to    |
|-----|          Convert Celsius in Fahreheits and Kelvins
|Fahreheit  |  |  |  <- Put Value in String gadget and Press Return  ↵
|    to    |
|-----|          Convert Fahreheit in Celsius and Kelvins
|Kelvin     |  |  |  <- Put Value in String gadget and Press Return  ↵
|    to    |
|-----|          Convert Kelvins in Celsius and Fahreheit
| BackToMain | Exit |
|-----|
      ^           ^
Opens Main      Closes
Window          Other Converters
if they is      Window
Hidden
and Closes
Other Convs.
Window

```

MENU

```

BackToMain      <- Open Main Window is they is hidden and Closes Other Converters  ↵
Window

```



```
Exit          <- Closes Other Converters Window

Quit          <- Quits MeasConv
```

1.10 MeasConvRx

MeasConvRx V1.10

MeasConvRx is an ARexx Port Interfece for Conversion of Measurments.
In Future that Sould be Part of MeasConv Program but for now its
an Separate Program.

MeasConvRx needs rexxhost.library (included in archive) from Olaf 'Olsen' Barthel
(library is PD or i have understud Documentation Wrong :))
and MeasConv.library

MeasConvRx is GMYware

ARexx Port Name : MEASCONV.RX

```
Port Command      : CM2INCH    <- Converts Argument in Centimeters to Inches
                   INCH2CM     <- Converts Argument in Inches to Centimeters
                   INCH2FT     <- Converts Argument in Inches to Feets
                   FT2INCH     <- Converts Argument in Feets to Inches
                   FT2MILE     <- Converts Argument in Feets to Miles
                   MILE2FT     <- Converts Argument in Miles to Feets
                   MILE2KM     <- Converts Argument in Miles to Kilometers
                   KM2MILE     <- Converts Argument in Kilometers to Miles

                   KG2POUND    <- Converts Argument in Kilograms to Pounds
                   POUND2KG    <- Converts Argument in Pounds to Kilograms

                   CELSIUS2FAHREHEIT <- Converts Argument in Celsius to ↔
                   Fahreheit
                   FAHREHEIT2CELSIUS <- Converts Argument in Fahreheit to ↔
                   Celsius
                   CELSIUS2KELVIN  <- Converts Argument in Celsius to Kelvin
                   KELVIN2CELSIUS  <- Converts Argument in Kelvin to Celsius
                   KELVIN2FAHREHEIT <- Converts Argument in Kelvin to Fahreheit
                   FAHREHEIT2KELVIN <- Converts Argument in Fahreheit to Kelvin

                   ABOUT <- Pop's up small ABout Requester

                   QUIT <- Quits MeasConvRx (*ONLY WAY TO DO THAT*)
```

(ALL RESULTS ARE IN RESULT)

1.11 History

History

17.08.1995 01.00 - first Public release (*ONLY FOR MEETING PEARLS 3 CDROM*)

```

18.08.1995  01.10 - second Release for MP CD-ROM
                (added Locale library Support)
        01.10 - 01.22 - internal releases (see Source for Info)
03.09.1995  01.23 - first Aminet Release
07.09.1995  01.50 - now it uses MeasConv.library

```

1.12 Bugs

BUGS

Nothing Known !

1.13 ToDo

ToDo

- Add MeasConvRx to Main Program MeasConv as ARexx Thread
- Add some more Conversions (Which Conntact me

Somthing Other Needed ?? Conntact Me

1.14 Author

Author

Author is Aris Basic Bosnian Refugee Who Lives at moment
in Germany (and want to go in USA :)) :

Aris Basic
Peter Rosegger str 26
86415 Mering
Germany

You can conctact me on this Address
on Phone : +49-(0)-8233-31782
on IRC : Aris (_Aris) on channels #amigager,#croatia,#amiga,...
or on Email (prefered):
aris@mubo.augusta.de

And Remember This Software is GMYware
and i'm not Responsibel for any Damage which could this progam make
to your hardware or software !!!!

1.15 MeasConv.library

MeasConv.library

Library was made for reason that every one can use this functions for conversion easy in its own programs.
Library is Also GMYware.

Functions:

- result=Cm2inch(value)
- result=Inch2cm(value)
- result=Inch2ft(value)
- result=Ft2inch(value)
- result=Ft2mile(value)
- result=Mile2ft(value)
- result=Mile2km(value)
- result=Km2mile(value)

- result=Kg2pound(value)
- result=Pound2kg(value)

- result=Cg2fg(value)
- result=Cg2kg(value)
- result=Fg2cg(value)
- result=Fg2kg(value)
- result=Kg2cg(value)
- result=Kg2fg(value)

- result=Mclib_tofloat(integer)

value must be Single IEEE Float !!

result is allways Single IEEE Float !!
