/\*==========================================================================

\* PPMSV0.1Dlg.h : header file

\*

\* contains the class definitions

\*==========================================================================

\*/

#pragma once

#include <string>

#include <vector>

#include "afxwin.h"

/\*===========================================================================

\*

\* CPPMSDialog dialog, the main dialog

\*

\*===========================================================================

\*/

class CPPMSDialog : public CDialogEx

{

// Construction

public:

CPPMSDialog(CWnd\* pParent = NULL); // standard constructor

enum { IDD = IDD\_PPMSV01\_DIALOG };

CString m\_DisplayStatus;

afx\_msg void OnBnClickedSavefileBtn();

CString m\_SaveFile;

afx\_msg void OnBnClickedHelpBtn();

virtual void OnOK();

// Implementation

protected:

HICON m\_hIcon;

// Generated message map functions

virtual void DoDataExchange(CDataExchange\* pDX); // DDX/DDV support

virtual BOOL OnInitDialog();

afx\_msg void OnSysCommand(UINT nID, LPARAM lParam);

afx\_msg void OnPaint();

afx\_msg HCURSOR OnQueryDragIcon();

DECLARE\_MESSAGE\_MAP()

private:

void ErrorHandler( int intErrorID );

std::string ReturnGPIBError();

void ProcessAdvisory(UINT message, WPARAM wParam, LPARAM lParam);

HANDLE m\_hAdvisory;

int OutPutMode;

virtual LRESULT WindowProc(UINT message, WPARAM wParam, LPARAM lParam);

int nReceivedAdvisories;

void CalculateGap();

std::vector<double> vCernox;

std::vector<double> a0, a1, a2, a3, vR; // for interpolation of the Cernox temperature

bool bCernoxLoaded;

public:

afx\_msg void OnBnClickedBtnCalculations();

CButton m\_CernoxSensor;

};

/\*=========================================================

\* Help dialog

\*=========================================================

\*/

class CHelpDialog : public CDialogEx

{

DECLARE\_DYNAMIC(CHelpDialog)

public:

CHelpDialog(CString strHelpText, CWnd\* pParent = NULL); // standard constructor

virtual ~CHelpDialog();

// Dialog Data

enum { IDD = IDD\_HELPDIALOG };

protected:

virtual void DoDataExchange(CDataExchange\* pDX); // DDX/DDV support

DECLARE\_MESSAGE\_MAP()

public:

CString m\_HelpText;

virtual BOOL OnInitDialog();

CEdit m\_HelpCEdit;

CFont m\_font;

};

/\*===========================================================================

\* FileExistsDialog dialog

\*===========================================================================

\*/

class FileExistsDialog : public CDialog

{

DECLARE\_DYNAMIC(FileExistsDialog)

public:

FileExistsDialog(CWnd\* pParent = NULL); // standard constructor

virtual ~FileExistsDialog();

// Dialog Data

enum { IDD = IDD\_FILEEXISTS };

protected:

virtual void DoDataExchange(CDataExchange\* pDX); // DDX/DDV support

DECLARE\_MESSAGE\_MAP()

public:

afx\_msg void OnBnClickedCancel();

afx\_msg void OnBnClickedAppend();

afx\_msg void OnBnClickedOverwrite();

};

/\*===========================================================================

\* CAboutDlg dialog (unused)

\*===========================================================================

\*/

class CAboutDlg : public CDialogEx

{

public:

CAboutDlg();

enum { IDD = IDD\_ABOUTBOX };

protected:

virtual void DoDataExchange(CDataExchange\* pDX); // DDX/DDV support

protected:

DECLARE\_MESSAGE\_MAP()

};

/\*======================================

\* global functions

\*======================================\*/