

# Table of Contents

## PREFACE

Introduction.....	1-1
Organization of the Data Entry Manual .....	1-2
Getting Started .....	1-3
PressureMAP Hardware Requirements.....	1-3
General Information .....	1-3
Reports and Screens .....	1-3
Language Selection .....	1-4
Special Function Keys .....	1-4
Edit Mode Key.....	1-5
Invoking the Field Editor.....	1-6
Screen Browser Function Keys .....	1-7
Program Criteria .....	1-9
Alternate Consoles.....	1-9
Multiple Printers .....	1-9
Capitalization .....	1-9
Office Name Abbreviations.....	1-9
Dash Placement .....	1-10
Non-Essential Alphabetical Characters.....	1-10
Accessing Devices .....	1-10
Selecting Device by Device Number .....	1-11
Selecting Device by Access Number .....	1-11
Finding Specific Device Info in Editor via Access Number .....	1-11
Selecting Devices When Access Number is Enabled .....	1-12
Spreadsheet Selection .....	1-12
Kilo and Mega Data Values .....	1-12
Quit/Logoff.....	1-13
Help Screens .....	1-13
Choosing an Option That Is Not Displayed .....	1-13
Question Mark .....	1-13
Arrow Keys .....	1-13
Number Keys .....	1-14
Default Option .....	1-14
Time Default .....	1-14
Documentation Conventions.....	1-14
Case Sensitivity .....	1-14
Typographic Conventions .....	1-14
PressureMAP Tables.....	1-15

## OFFICE PREPARATION

Introduction.....	2-1
Verifying the Source Records and Preparing the Office.....	2-2

Verifying the Office Source Records .....	2-2
Identifying System Components.....	2-2
Engineering Design Evaluation .....	2-2
Bringing the System Up to Standard .....	2-4
Sheath Miles, Tube Miles and Location Codes.....	2-4
Calculating Sheath Miles.....	2-4
OAU to Sheath Mile Conversion .....	2-4
Calculating Tube Miles.....	2-5
Calculation Points .....	2-5
Air Pipe Manifold S-M .....	2-5
Remote Compressor S-M .....	2-6
Distribution Panel S-M .....	2-6
Pipe Alarm Panel S-M .....	2-6
Assigning Location Codes .....	2-6
Completing the Data Forms .....	2-8
The Office Data Form.....	2-8
Office Data Form Fields .....	2-8
Office Name .....	2-8
Monitor Type .....	2-9
Phone Number/IP Address .....	2-10
Access # Type .....	2-11
Office Mode .....	2-11
Baudrate .....	2-11
User Defined Devices .....	2-11
Password 1 .....	2-12
Password 2 .....	2-12
Trunk/Toll Tolerance .....	2-13
Units .....	2-13
MAP Alert # .....	2-13
MAP Alert Baudrate .....	2-14
Alert Sensitivity .....	2-14
Modem Site .....	2-14
Remarks .....	2-14
Wire Center.....	2-15
International Measurement Fields .....	2-15
Pressure .....	2-15
Flow .....	2-15
Distance .....	2-15
Aerial std, Buried std, Undgnd std .....	2-15
Delivery std .....	2-15
Flow std .....	2-16
The Device Data Forms .....	2-18

## **SPARTON DEVICE DATA**

Introduction.....	3-1
The Sparton Device Data Form.....	3-2
General Information .....	3-2
Sparton Device Data Fields .....	3-2
Things to Keep in Mind.....	3-14

Programming a Sparton CPAMS .....	3-15
Format Requirements for B-board Alarms .....	3-15
Sparton Device Numbers.....	3-16
Programming Sparton Device Numbers .....	3-16
Unique Device Numbers .....	3-16
Device Number Range .....	3-16
Device Number Position .....	3-17
Multiple Offices Within a Sparton.....	3-17
Sparton System Structure.....	3-17
PressureMAP Multiple Office Applications .....	3-18
Programming a Sparton CPAMS Via PressureMAP .....	3-19

## ***CHATLOS/HERCULES/TELEDUCER DEVICE DATA***

Introduction.....	4-1
The Chatlos/Hercules/Teleducer Device Data Form .....	4-2
General Information .....	4-2
Chatlos Device Data Fields.....	4-2
Things to Keep in Mind.....	4-13
Programming a Chatlos and Hercules CPAMS Via PressureMAP .....	4-14
Programmed Data Fields .....	4-14

## ***LANCIER DEVICE DATA***

Introduction.....	5-1
Barometric Compensation.....	5-2
Lancier Device Data Form.....	5-2
General Information .....	5-2
Lancier Device Data Fields .....	5-2
Things to Keep in Mind .....	5-12

## ***NICOTRA DEVICE DATA***

Introduction.....	6-1
Barometric Compensation.....	6-2
Nicotra Device Data Form .....	6-2
General Information .....	6-2
Nicotra Device Data Fields.....	6-2
Programming a Nicotra CPAMS.....	6-10
Things to Keep in Mind .....	6-10

## ***TELSEC DEVICE DATA***

Introduction.....	7-1
Device Monitoring .....	7-2
The Telsec Device Data Form .....	7-2
General Information .....	7-2
Telsec Device Data Fields.....	7-2
User Defined Device Numbers.....	7-4
Things to Keep in Mind.....	7-9

## **289H LSS DEVICE DATA**

Introduction.....	8-1
Monitoring System Structure .....	8-1
Multiple Offices Within the LSS Monitor.....	8-2
Addressable Transducer Numbering Structure .....	8-2
General Description .....	8-2
Device/Access Number Format .....	8-3
Converting Chatlos Addressable Transducer Numbering.....	8-4
Converting Sparton Addressable Transducer Numbering .....	8-4
Device and TD Type Designations .....	8-4
Data Entry.....	8-5
The LSS Device Data Form .....	8-6
General Information .....	8-6
LSS Device Data Fields .....	8-8
Things to Keep in Mind .....	8-16

## **SPECIAL DATA ENTRY**

Introduction.....	9-1
289H CPAMS Conversion Utility .....	9-1
289H Access Number Description .....	9-2
Cutover Worksheet Description .....	9-3
Pre-Conversion Worksheet.....	9-4
Post-Conversion Worksheet .....	9-5
Access Number Assignment .....	9-6
Using the 289 LSS Conversion Utility.....	9-7
The System Option Menu .....	9-7
The MAP Data Entry Menu .....	9-8
Access Number Translation Feature.....	9-8
The Special Data Entry Menus .....	9-9
Printing a Worksheet.....	9-10
Converting Office and Device Info.....	9-10
The Data Conversion Spreadsheet .....	9-13
Using the Data Conversion Spreadsheet .....	9-14
Automatic and Manual Access Number Assignment .....	9-15
Dedicated and Subscriber Cards .....	9-15
Addressable Monitoring Cards .....	9-16
Spreadsheet Error Messages .....	9-17
289 LSS Access Number Maps.....	9-18
The MAP Data Entry Menu .....	9-19
The Special Data Entry Menus .....	9-19
Adding an Access Number Map.....	9-20
Initialize an Access Number Map .....	9-21
Generate a Map From the Monitor Configuration.....	9-22
Duplicate Access Number Map.....	9-22
Change an Access Number Map .....	9-23
View an Access Number Map .....	9-24
Remove an Access Number Map.....	9-25
List Offices Using an Access Number Map.....	9-26

Transfer DOS Access Number Map.....	9-26
Export Map To DOS .....	9-27
Import Map From DOS .....	9-28
Quit Access Number Map Entry .....	9-29
Transfer File Editor .....	9-29
Adding Data to the Transfer File Spreadsheet .....	9-31
Editing Data in the Transfer File Spreadsheet .....	9-32
To Enable or Disable an Existing Device .....	9-32
To Edit the Device Type of an Existing Device .....	9-33
Export Device History .....	9-33
Quit Special Data Entry.....	9-35

## **PRESSUREMAP DATA ENTRY**

Introduction.....	10-1
Getting Started .....	10-1
The System Options Menu .....	10-1
PressureMAP Data Entry .....	10-2
PressureMAP Data Entry Options.....	10-3
Add a New Office .....	10-4
New Office Information .....	10-5
Device Data for a New Office.....	10-8
Primary Specific Device Information Screen.....	10-8
Monitor Specific Device Screen .....	10-9
Field Accessible Device Comment Screen.....	10-10
Cable Readings Screen .....	10-10
Information about an Office.....	10-13
Specific Device Information.....	10-15
View Device Information .....	10-16
Change Device Information .....	10-17
Add New Devices .....	10-19
Remove A Device .....	10-20
Disabling a Device .....	10-22
Quit Specific Device Information .....	10-24
Deleting An Office.....	10-24
Recover From Hardware Failure.....	10-25
Quit Data Entry .....	10-26

## **REPORTMAP DATA ENTRY**

Introduction.....	11-1
Dispatcher .....	11-1
The Dispatcher Database.....	11-2
Accessing Dispatcher Data Entry .....	11-4
Adding a Report Center .....	11-6
Phone Number Field Options.....	11-7
Printer Designation .....	11-7
Email Distribution.....	11-8
Fax Machine .....	11-8
Special Report Center .....	11-8

Modifying a Report Center .....	11-10
Deleting a Report Center .....	11-12
Dispatch Report Formatting .....	11-13
Accessing Dispatch Report Formatting.....	11-13
Dispatch Report Format Screen .....	11-14
Dispatch Report Fields .....	11-15
Dispatch Header .....	11-15
Dispatch Description .....	11-15
Cable Activities .....	11-16
Dispatch Procedure .....	11-16
Device Information .....	11-16
CPAMS Information .....	11-16
Office/Field Association .....	11-17
Device Remarks .....	11-17
Device Reading Lines .....	11-17
Device Comments .....	11-17
Device Cable Readings .....	11-18
Associated Devices .....	11-18
Leak Locating Chart .....	11-18
Related System Alarms .....	11-19
Office/Wire Center.....	11-19
Modifying a Dispatch Report.....	11-21
Quit ReportMAP Data Entry .....	11-21
Pin Selector.....	11-22
General Information .....	11-22

## **ALARMMAP DATA ENTRY**

Introduction.....	12-1
Getting Started .....	12-1
The System Options Menu .....	12-2
AlarmMAP Data Entry .....	12-2
AlarmMAP Data Entry Options.....	12-3
Alarm Centers.....	12-4
Adding Alarm Center Information .....	12-5
Alarm Center Data Fields .....	12-6
Center Name .....	12-7
Baudrate .....	12-7
Phone Number .....	12-7
Sending Alarms via Modem .....	12-7
Sending Alarms to the MAP Engine Console .....	12-8
Sending Alarms to a Printer .....	12-8
Sending Alarms to FAX Machines .....	12-8
Sending Alarms to Alphanumeric Pagers.....	12-8
Sending Alarms via a LAN (MAIL).....	12-9
Sending Alarms via LAN to Multiple Email Addresses (one center) ..	12-9
Sending Alarms to Pagers via Email (Brief Report) .....	12-10
Sending Multiple Alarm Notification to Pagers via Email .....	12-10
Sending Alarms to a Cell Phone via Email SMS.....	12-10
Sending Alarms via a Network Connection.....	12-11

Sending Alarms to an IP Socket for use in External Database .....	12-11
Sending Alarms Via Email Delivery in Key/Value Script Format .....	12-12
Modem Site .....	12-12
Delivery Mode .....	12-12
Summary Report .....	12-13
Full Report.....	12-13
One Report.....	12-13
Brief Report.....	12-13
Condensed Report .....	12-14
Clear Mode.....	12-14
Remarks .....	12-15
Offices .....	12-16
Completing the Alarm Center Data Record .....	12-16
Edit an Alarm Center.....	12-17
Delete an Alarm Center .....	12-18
Quit Alarm Center Data Entry.....	12-19
Dates of Holidays.....	12-20
Add a Holiday.....	12-21
Delete a Holiday.....	12-22
Quit Dates of Holidays Editor .....	12-22
Establishing Calling Times.....	12-22
Weekday Call Times.....	12-23
Add a Calling Time .....	12-24
Delete a Calling Time .....	12-26
Changing an Alarm Center Reference .....	12-26
Deleting an Alarm Center Reference .....	12-27
Inserting a New Alarm Center Reference.....	12-27
Changing the Scheduled Call Time .....	12-27
Quit the Weekday Call Time Menu.....	12-27
Saturday/Sunday Call Times.....	12-28
Holiday Call Times .....	12-29
Alarm Filtering .....	12-30
Filtered Alarm Conditions .....	12-30
Daily Filtering .....	12-31
Daily Start and Daily Stop .....	12-31
Weekend Filtering.....	12-31
Holiday Filtering .....	12-31
Temperature Filtering.....	12-32
Permanent Filtering .....	12-32
ONE REPORT Regular Alarm Threshold .....	12-32
ONE REPORT Cleared Alarm Threshold .....	12-33
Three Star Filtering .....	12-33
Completing the Alarm Filtering Data Record .....	12-33
Alarm Consistency Checks.....	12-33
Quit AlarmMAP Data Entry.....	12-34

## CABLEMAP DATA ENTRY

Introduction.....	13-1
Getting Started .....	13-1

CableMAP Data Entry .....	13-3
Activity Log .....	13-3
Selection Assistance Function Keys .....	13-4
Editor Function Keys .....	13-5
Cable Activity Data Fields.....	13-5
Automatic Closings for Cable Activities .....	13-8
Create a Log Activity .....	13-8
Close a Cable Activity.....	13-11
View an Activity .....	13-13
Edit Cable Activity Records .....	13-14
Remove a Cable Activity .....	13-15
Quit Cable Activities.....	13-16
CableMAP Configuration Information.....	13-16
Quit CableMAP Data Entry .....	13-18

## ***uM260 MONITOR DATA ENTRY***

Introduction.....	14-1
Monitoring System Structure .....	14-1
Office and Device Data Organization .....	14-1
Device Numbering .....	14-2
Completing the Office Data Form .....	14-2
Office Data Form Fields .....	14-3
Office Name .....	14-3
Monitor Type .....	14-4
Phone Number/IP Address.....	14-4
Access # Type .....	14-4
Office Mode .....	14-4
Baudrate.....	14-4
User Defined Devices .....	14-5
Password 1 .....	14-5
Elevation.....	14-5
Password 2 .....	14-5
MAP Alert Baudrate .....	14-6
MAP Alert # .....	14-6
Alert Sensitivity .....	14-6
Modem Site .....	14-6
Wire Center.....	14-6
Remarks.....	14-7
Aerial, Buried, Undgnd, Delivery, Flow Standards .....	14-7
Delivery Std .....	14-7
Flow Std.....	14-7
PressureMAP Support for Metric Devices .....	14-7
Completing the Device Data Forms .....	14-8
Device Data Form Fields .....	14-9
Things to Keep in Mind .....	14-18
uM260 Data Entry .....	14-18
Office Information Data Entry .....	14-20
Device Data for a New Office .....	14-21
Primary Specific Information Device Screen .....	14-22

Monitor Specific Device Screen .....	14-23
Field Accessible Device Comments Screen .....	14-23
Cable Readings Screen .....	14-23

## **DIAL-A-DUCER DATA ENTRY**

Introduction.....	15-1
Dial-a-Ducer Overview.....	15-1
Dial-a-Ducer Data Entry Overview.....	15-2
Data Preparation .....	15-2
Verifying the Source Records .....	15-3
Identify System Components .....	15-3
Performing Calculations and Assignments .....	15-3
Calculating Sheath Miles .....	15-3
Calculating Tube Miles .....	15-3
Assigning Location Codes .....	15-4
Completing the Data Forms.....	15-4
The Office Data Form .....	15-5
Office Data Form Fields.....	15-6
International Measurement Fields .....	15-9
Device Data Form Requirements.....	15-11
The Dial-a-Ducer Device Data Form.....	15-11
General Information .....	15-11
Dial-a-Ducer Device Data Fields .....	15-11
Multiple Dial-a-Ducer Offices Within a Mega Office .....	15-21
CPAMS Diagnostics .....	15-22
Dial-a-Ducer Diagnostic Tests .....	15-22
The Diagnostics Tests.....	15-24
Dial-a-Ducer Test .....	15-24
Realtime Reading Test .....	15-25
Specific Device Information .....	15-26
Dial-a-Ducer and the Realtime and Handheld Programs .....	15-27

## **UNIVERSAL STAND-ALONE MODULE DATA ENTRY**

Introduction.....	16-1
Functional Overview .....	16-1
USAM Hardware .....	16-1
USAM Center Description .....	16-2
Requirements for Using a USAM with PressureMAP .....	16-2
USAM Center Data Entry for PressureMAP .....	16-3
Adding a USAM Center .....	16-3
Modifying a USAM Center .....	16-7
Deleting a USAM Center .....	16-10
USAM Software Version 1.0 Data Entry Requirements .....	16-10
USAM Alarm Report Data Entry .....	16-10
Setting the USAM Software's System Name .....	16-18
Accessing the System Administration Menu .....	16-18
Setting the Time Zone in the USAM Software .....	16-19
Procedure to Shutdown and Reboot the Computer .....	16-21

**GLOSSARY.....** 17-1**APPENDIX 1 - DEVICE & TRANSDUCER TYPES**

Introduction.....	A1-1
Pressure Transducer Device Coding.....	A1-11
Flow Transducer Device Coding .....	A1-13
Pressure Contactor Device Coding .....	A1-14
Contact Alarm Device Coding .....	A1-15
Configurable Contact Alarms .....	A1-16
Volume Counter Device Coding.....	A1-16
Special Use Transducer Device Type Coding .....	A1-17
System Studies 289H LSS Transducer Types .....	A1-21
Resistive Transducer Types .....	A1-21
Current Loop Transducer Types .....	A1-23
289H LSS Voltage Measurement Transducer Types .....	A1-26
289H LSS Addressable Transducer Types .....	A1-27
Chatlos Addressable Transducer Types .....	A1-29
UAMC Addressable Transducer Types .....	A1-31
Sparton Addressable Transducer Types .....	A1-31
Dial-a-Ducer Transducer Types .....	A1-32
uM260 Micro Monitor Transducer Types.....	A1-33

**APPENDIX 2 - EXAMPLE DEVICE DATA.....** A2-1**APPENDIX 3- POSITIVE AIR FLOW (PAF) DATA ENTRY***(Not Available in All Areas)*

Introduction.....	A3-1
Getting Started .....	A3-1
The System Options Menu .....	A3-1
PressureMAP Data Entry .....	A3-2
PressureMAP Data Entry Options.....	A3-3
Add a New Office .....	A3-4
New Office Information .....	A3-5
Device Data for a New Office.....	A3-7
Primary Specific Device Information Screen.....	A3-8
Monitor Specific Device Screen .....	A3-9
Field Accessible Device Comment Screen.....	A3-9
Cable Readings Screen .....	A3-10
Special PAF Device Types .....	A3-11
Return Pipe Manifold Flow Transducer .....	A3-11
Return Flow Transducer.....	A3-11
Return Pressure Transducer .....	A3-11
Entering a New Device.....	A3-12
Information about an Office.....	A3-13
Specific Device Information .....	A3-15
View Device Information .....	A3-16

Change Device Information .....	A3-17
Add New Devices .....	A3-19
Remove A Device .....	A3-20
Disabling a Device .....	A3-22
Quit Specific Device Information .....	A3-23
Deleting An Office.....	A3-24
Recover From Hardware Failure.....	A3-25
Quit Data Entry .....	A3-26

## **APPENDIX 4- MEGA OFFICE DATA ENTRY**

Introduction.....	A4-1
Data Entry Procedures.....	A4-1
Office Data Entry .....	A4-2
Specific Device Data Entry .....	A4-5
Adding Devices .....	A4-5
Disabling Devices .....	A4-8
Renaming Devices .....	A4-9
Viewing Devices .....	A4-10
Deleting Devices .....	A4-11
Quit Mega Office Editor .....	A4-12

## **APPENDIX 5- CHARACTER DELIMITED FORMAT (CDF) FIELDS**

Introduction.....	A5-1
CDF Text File Field Order .....	A5-2
Native Integer Format Conversion .....	A5-4
Verbose Readings .....	A5-4

