

---

# TABLE OF CONTENTS

---

## PREFACE

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
Screen Browser Function Keys .....	1-6
Program Criteria .....	1-8
Alternate Consoles .....	1-8
Multiple Printers .....	1-9
Capitalization .....	1-9
Office Name Abbreviations .....	1-9
Dash Placement .....	1-9
Non-Essential Alphabetical Characters .....	1-9
Accessing Devices .....	1-10
Selecting Device by Device Number .....	1-10
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 .....	1-11
Spreadsheet Selection .....	1-11
Kilo and Mega Data Values .....	1-12
Quit/Logoff .....	1-12
Help Screens .....	1-12
Choosing an Option That Is Not Displayed .....	1-13
Question Mark .....	1-13
Arrow Keys .....	1-13
Number Keys .....	1-13
Default Option .....	1-13
Time Default .....	1-13
Documentation Conventions .....	1-13
Case Sensitivity .....	1-13
Typographic Conventions .....	1-14
PressureMAP Tables .....	1-14

## 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

## DATA ENTRY

---

OAU to Sheath Mile Conversion .....	2-4
Calculating Tube Miles .....	2-4
Calculation Points .....	2-5
Air Pipe Manifold S-M .....	2-5
Remote Compressor S-M .....	2-5
Distribution Panel S-M .....	2-5
Pipe Alarm Panel S-M .....	2-6
Assigning Location Codes .....	2-6
Completing the Data Forms .....	2-7
The Office Data Form .....	2-8
Office Data Form Fields .....	2-9
Office Name .....	2-9
Monitor Type .....	2-9
Phone Number/IP Address .....	2-10
Access # Type .....	2-10
Office Mode .....	2-11
Baudrate .....	2-11
User Defined Devices .....	2-11
Password 1 .....	2-11
Password 2 .....	2-12
Trunk/Toll Tolerance .....	2-13
Units .....	2-13
MAP Alert # .....	2-13
MAP Alert Baudrate .....	2-13
Alert Sensitivity .....	2-14
Modem Site .....	2-14
Remarks .....	2-14
Pressure .....	2-14
Flow .....	2-14
Distance .....	2-14
Aerial std, Buried std, Undgnd std .....	2-14
Delivery std .....	2-15
Flow std .....	2-15
International Measurement Fields .....	2-15
The Device Data Forms .....	2-16

### 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 .....	3-13
Programming a Sparton CPAMS .....	3-14
Format Requirements for B-board Alarms .....	3-14
Sparton Device Numbers .....	3-15
Programming Sparton Device Numbers .....	3-15
Unique Device Numbers .....	3-15
Device Number Range .....	3-15
Device Number Position .....	3-15
Multiple Offices Within a Sparton .....	3-16

Sparton System Structure .....	3-16
PressureMAP Multiple Office Applications .....	3-16
Programming a Sparton CPAMS Via PressureMAP .....	3-18

**CHATLOS/HERCULES/TELEDUCER DEVICE DATA**

Introduction .....	4-1
The Chatlos/Hercules/Teleducer Device Data Form .....	4-2
General Information .....	4-2
Device Data Fields .....	4-2
Things to Keep in Mind .....	4-12
Programming a Chatlos and Hercules CPAMS Via PressureMAP .....	4-12

**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 .....	5-11

**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
Things to Keep in Mind .....	7-8

**289H LSS DEVICE DATA**

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

## DATA ENTRY

---

General Information .....	8-5
LSS Device Data Fields .....	8-7
Things to Keep in Mind .....	8-15

### 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 .....	9-8
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 .....	9-15
Spreadsheet Error Messages .....	9-17
289 LSS Access Number Maps .....	9-18
The MAP Data Entry Menu .....	9-18
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 .....	9-21
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 .....	9-25
Transfer DOS Access Number Map .....	9-26
Export Map To DOS .....	9-27
Import Map From DOS .....	9-27
Quit Access Number Map Entry .....	9-28
Transfer File Editor .....	9-29
Adding Data to the Transfer File Spreadsheet .....	9-31
Editing Data in the Transfer File Spreadsheet .....	9-31
To Enable or Disable an Existing Device .....	9-32
To Edit the Device Type of an Existing Device .....	9-32
Export Device History .....	9-33
Quit Special Data Entry .....	9-34

### 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 .....	10-7
Primary Specific Device Information Screen .....	10-8
Monitor Specific Device Screen .....	10-9
Field Accessible Device Comment Screen .....	10-9
Cable Readings Screen .....	10-10
Information about an Office .....	10-12
Specific Device Information .....	10-14
View Device Information .....	10-15
Change Device Information .....	10-16
Add New Devices .....	10-18
Remove A Device .....	10-20
Disabling a Device .....	10-21
Quit Specific Device Information .....	10-23
Deleting An Office .....	10-23
Recover From Hardware Failure .....	10-24
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
Modifying a Report Center .....	11-10
Deleting a Report Center .....	11-13
Dispatch Report Formatting .....	11-13
Accessing Dispatch Report Formatting .....	11-14
Dispatch Report Format Screen .....	11-15
Dispatch Report Fields .....	11-16
Dispatch Header .....	11-16
Dispatch Description .....	11-16
Cable Activities .....	11-16
Dispatch Procedure .....	11-16
Device Information .....	11-17
CPAMS Information .....	11-17
Office/Field Association .....	11-17
Device Remarks .....	11-17
Device Reading Lines .....	11-18
Device Comments .....	11-18
Device Cable Readings .....	11-18
Associated Devices .....	11-19
Leak Locating Chart .....	11-19
Related System Alarms .....	11-19
Modifying a Dispatch Report .....	11-20

## DATA ENTRY

---

Quit ReportMAP Data Entry .....	11-21
Pin Selector .....	11-21
General Information .....	11-21

### ALARMMAP DATA ENTRY

Introduction .....	12-1
Getting Started .....	12-1
The System Options Menu .....	12-1
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 .....	12-7
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) .....	12-8
Sending Alarms to Pagers (Brief Report) .....	12-9
Sending Multiple Alarms Notification to Pagers via Email .....	12-9
Sending Alarms to a Cell Phone via Email SMS .....	12-9
Sending Alarms via a Network Connection .....	12-10
Modem Site .....	12-10
Delivery Mode .....	12-10
Summary Report .....	12-11
Full Report .....	12-11
One Report .....	12-11
Brief Report .....	12-11
Condensed Report .....	12-12
Clear Mode .....	12-12
Offices .....	12-13
Remarks .....	12-13
Completing the Alarm Center Data Record .....	12-14
Edit an Alarm Center .....	12-15
Delete an Alarm Center .....	12-16
Quit Alarm Center Data Entry .....	12-17
Dates of Holidays .....	12-18
Add a Holiday .....	12-19
Delete a Holiday .....	12-20
Quit Dates of Holidays Editor .....	12-20
Establishing Calling Times .....	12-20
Weekday Call Times .....	12-21
Add a Calling Time .....	12-22
Delete a Calling Time .....	12-24
Changing an Alarm Center Reference .....	12-24
Deleting an Alarm Center Reference .....	12-25

Inserting a New Alarm Center Reference .....	12-25
Changing the Scheduled Call Time .....	12-25
Quit the Weekday Call Time Menu .....	12-25
Saturday/Sunday Call Times .....	12-26
Holiday Call Times .....	12-27
Alarm Filtering .....	12-28
Filtered Alarm Conditions .....	12-28
Completing the Alarm Filtering Data Record .....	12-31
Alarm Consistency Checks .....	12-31
Quit AlarmMAP Data Entry .....	12-32

### **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
Completing the Device Data Forms .....	14-6
Device Data Form Fields .....	14-7
Things to Keep in Mind .....	14-15
uM260 Data Entry .....	14-15
Office Information Data Entry .....	14-16
Device Data for a New Office .....	14-18
Primary Specific Information Device Screen .....	14-19
Monitor Specific Device Screen .....	14-20
Field Accessible Device Comments Screen .....	14-20
Cable Readings Screen .....	14-20

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

Introduction .....	15-1
--------------------	------

## **DATA ENTRY**

---

Dial-a-Ducer Overview .....	15-1
Dial-a-Ducer Data Entry Overview .....	15-1
Data Preparation .....	15-2
Verifying the Source Records .....	15-2
Identify System Components .....	15-2
Performing Calculations and Assignments .....	15-3
Calculating Sheath Miles .....	15-3
Calculating Tube Miles .....	15-3
Assigning Location Codes .....	15-3
Completing the Data Forms .....	15-4
The Office Data Form .....	15-4
Office Data Form Fields .....	15-5
International Measurement Fields .....	15-8
Device Data Form Requirements .....	15-9
The Dial-a-Ducer Device Data Form .....	15-10
General Information .....	15-10
Dial-a-Ducer Device Data Fields .....	15-10
Multiple Dial-a-Ducer Offices Within a Mega Office .....	15-19
CPAMS Diagnostics .....	15-20
Procedures For The Dial-a-Ducer Tests .....	15-20
The Diagnostics Tests .....	15-22
Dial-A-Ducer Test .....	15-22
Realtime Reading Test .....	15-24
Specific Device Information .....	15-25
Dial-a-Ducer And The Realtime and Handheld Programs .....	15-25

## **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
PressureMAP Version 26 USAM Center Data Entry .....	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 .....	16-20
Procedure to Shutdown and Reboot the Computer .....	16-21

<b>GLOSSARY</b> .....	17-1
-----------------------	------

<b>APPENDIX 1 - PRESSUREMAP DEVICE &amp; TRANSDUCER TYPES</b> .....	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 .....	A1-15
Volume Counter Device Coding .....	A1-16
Special Use Transducer Device Type Coding .....	A1-16
System Studies 289H LSS Transducer Types .....	A1-20
Resistive Transducer Types .....	A1-20
Current Loop Transducer Types .....	A1-22
289H LSS Voltage Measurement Transducer Types .....	A1-25
289H LSS Addressable Transducer Types .....	A1-25
Chatlos Addressable Transducer Types .....	A1-27
UAMC Addressable Pressure Transducer Types .....	A1-29
Sparton Addressable Transducer Types .....	A1-29
Addressable Transducer Types (Other Vendors) .....	A1-30
Dial-a-Ducer Transducer Types .....	A1-30

**APPENDIX 2 - EXAMPLE DEVICE DATA .....** A2-1

**APPENDIX 3- POSITIVE AIR FLOW 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 .....	A3-7
Monitor Specific Device Screen .....	A3-8
Field Accessible Device Comment Screen .....	A3-9
Cable Readings Screen .....	A3-9
Special PAF Device Types .....	A3-10
Return Pipe Manifold Flow Transducer .....	A3-10
Return Flow Transducer .....	A3-11
Return Pressure Transducer .....	A3-11
Entering a New Device .....	A3-11
Information about an Office .....	A3-13
Specific Device Information .....	A3-14
View Device Information .....	A3-15
Change Device Information .....	A3-16
Add New Devices .....	A3-18
Remove A Device .....	A3-20
Disabling a Device .....	A3-21
Quit Specific Device Information .....	A3-23
Deleting An Office .....	A3-23
Recover From Hardware Failure .....	A3-24
Quit Data Entry .....	A3-26

# **DATA ENTRY**

---

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

Introduction .....	A4-1
Data Entry Procedures .....	A4-1
Office Data Entry .....	A4-2
Specific Device Data Entry .....	A4-6
Adding Devices .....	A4-6
Disabling Devices .....	A4-9
Renaming Devices .....	A4-10
Viewing Devices .....	A4-10
Deleting Devices .....	A4-12
Quit Mega Office Editor .....	A4-13

## **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