

**UMC MODEL 158500 8 CHANNEL TURBINE MASTER
SET-UP AND PROGRAMMING INSTRUCTIONS**

DESCRIPTION :

THE UMC 8 CHANNEL TURBINE MASTER IS A MICROPROCESSOR BASED, MULTIPLE TURBINE MONITOR. UP TO 8 TURBINE INPUTS MAY BE PROGRAMMED TO PROVIDE LOCAL DISPLAY OF DATA, AS WELL AS AN OPTIONAL RS-232 SERIAL PORT FOR REMOTE MONITORING, AND 16 CONTROL POINT RELAY BOARD.

CONNECTION PROCEDURE :

SEE ATTACHED DRAWING FOR WIRING CONNECTIONS

PROGRAMMING :

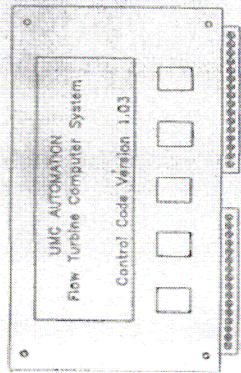
WHEN UNIT IS FIRST POWERED UP IT IS IN THE SCAN MODE, AND WILL SCROLL THROUGH THREE SCREENS :

- OPENING SCREEN
- TURBINE SCREENS (#1 - #4)
- TURBINE SCREENS (#5 - #8)

PROGRAMMING OPTIONS :

HOLD:	Depress to stop scan mode	PARMS:	Use to set up parameters
ALARMS:	Use to attach alarms to input channels, and to set value for "ON" and "OFF" alarm setpoints	K-FACTOR:	= number of pulses/BBI provided for individual meters
SCAN:	Returns to scan mode	VOL:	can be set for full BBIs or 1/10 BBIs
FIELD:	Moves prompt from one field to another	UNITS:	Standard units available are BBIs or MCF(consult factory for other options)
CURSOR:	Moves prompt within a field	HI/LOW ALARMS:	Alarm settings for the communication output only. For discrete alarms an alarm board is required
INC:	Increments value	TEXT:	Use to set up type & size of meters
DEC:	decrements value	METER ID:	for customizing names of individual meters(7 characters available)
EXIT:	Returns to previous screen or scan mode	TYPE & SIZE:	for customizing meter brand and size for future reference, and for reference via serial port
FREEZE:	Holds display on current rate (No effect on volume totals)	RESET:	Resets volumes (YES/NO)
COUNTS:	Returns instantaneous rate to screen		

8 CHANNEL TURBINE MASTER OPENING SCREENS



AUTOMATICALLY SCROLLS TO TURBINE SCREENS

UMC AUTOMATION	REVISED: 12/82	DATE: 11/30/82	BY: JBB
DESIGN BY: SEVANS	8 CHANNEL	OS/386 DWG	
APPROVED: B82	TURBINE MASTER		
REVISED: ---	OPENING SCREEN		
DATE: 11/30/82	0800		

8 CHANNEL TURBINE MASTER: TURBINE SCREENS

FROM OPENING SCREEN

METER NO. 1 - METER 1 RESET VAL=RES

SCALE 1 0 0 0 0 0 0 0

VOL. 1 0 0 0 0 0 0 0

HOLD #FREEZE #PARMS #TEST #RESET

METER NO. 2 - METER 2 METER 3 METER 4

SCALE 1 0 0 0 0 0 0 0

VOL. 1 0 0 0 0 0 0 0

HOLD #FREEZE #PARMS #TEST #RESET

METER NO. 3 - METER 3 METER 2 METER 4

SCALE 1 0 0 0 0 0 0 0

VOL. 1 0 0 0 0 0 0 0

HOLD #FREEZE #PARMS #TEST #RESET

METER NO. 4 - METER 3 METER 2 METER 4

SCALE 1 0 0 0 0 0 0 0

VOL. 1 0 0 0 0 0 0 0

HOLD #FREEZE #PARMS #TEST #RESET

METER NO. 1 - METER 1 RESET VAL=RES

SCALE 1 0 0 0 0 0 0 0

VOL. 1 0 0 0 0 0 0 0

HOLD #FREEZE #PARMS #TEST #RESET

METER NO. 1 - METER 1 METER 2 METER 3 METER 4

SCALE 1 0 0 0 0 0 0 0

VOL. 1 0 0 0 0 0 0 0

HOLD #FREEZE #PARMS #TEST #RESET

METER NO. 1 #M= METER 1

TYPE = (METER 1 TYPE TEST)

SCALE = (METER 1 SCALE TEST)

HOLD #FREEZE #PARMS #TEST #RESET

METER NO. 1 - METER 1 METER 2 METER 3 METER 4

SCALE 1 0 0 0 0 0 0 0

VOL. 1 0 0 0 0 0 0 0

HOLD #FREEZE #PARMS #TEST #RESET

METER NO. 1 - METER 1 METER 2 METER 3 METER 4

SCALE 1 0 0 0 0 0 0 0

VOL. 1 0 0 0 0 0 0 0

HOLD #FREEZE #PARMS #TEST #RESET

METER NO. 1 - METER 1 METER 2 METER 3 METER 4

SCALE 1 0 0 0 0 0 0 0

VOL. 1 0 0 0 0 0 0 0

HOLD #FREEZE #PARMS #TEST #RESET

METER NO. 1 - METER 1 METER 2 METER 3 METER 4

SCALE 1 0 0 0 0 0 0 0

VOL. 1 0 0 0 0 0 0 0

HOLD #FREEZE #PARMS #TEST #RESET

ROLLS TO TURBINE SCREENS & TRIM (JUMP) PROCEDURES

UMC
AUTOMATION

DESIGNED BY: S. EVANS
APPROVED BY: J. BEY
RELEASED TO: TURBINE MASTER TURBINE SCREEN
DATE: 11/30/78
DBDR 58500