

# User's Guide

**EXTECH**<sup>®</sup>  
**INSTRUMENTS**  
A FLIR COMPANY

## Digital Conductivity / pH Meter

### Model EC600



***Introduction***

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**C**

***Supplied Equipment List***

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## Meter Description



## Display Description

888

M+

RM



## Keypad Description

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## Store, Recall, and Clear Datalogger Memory

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### STORE Readings



M+

M+/RM

### RECALL Readings

RM

M+/RM

CAL M+/RM

ENTER

### CLEAR Readings

ENTER





## Testing the pH of a Sample

## Programming pH Parameters

	Parameters	Code	Selections
P1		SOL	
P2		PU 1	
P3		PU 2	
P4			°C °F
P5		bL	
P6		AC	
P7			

Notes on P2 and P3 Parameters:





## pH Measurement, Calibration, and Electrode Considerations

- Error messages

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**mV Measurement Mode**

**mV Programming Parameters**

Prompt	Parameters	Code	Settings
P1		<i>bl</i>	
P2		<i>AC</i>	

**Parameter P1 (Display Backlight Setting)**

CAL M+/RM

MODE

ENTER

**Parameter P2 (Automatic Power OFF Setting)**

CAL M+/RM

MODE

ENTER

# Conductivity Measurement Mode

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## Preparation for Measurement

### Calibration

μ

μ

μ

### Notes

### Measuring the Conductivity of a Sample

### Calibration Considerations

μ      μ      μ  
μ      μ

μ      μ

Measuring range	0.05 to 20 $\mu$ S/cm	0.5 $\mu$ S/cm to 200mS/cm		
	$\mu$	$\mu$	$\mu$	
	(L)	(L)	(M)	(H)

Standard Solution Calibration      Constant

**Programming Parameters – Conductivity**

**Programming Parameters – Conductivity**

$\mu$

Solution	Temperature compensation coefficient



Picture (6-2)



**Parameter P3 (Reference Temperature Selection)**

CAL M+/RM  
°C °C  
MODE ENTER

**Parameter P4 (Temperature Coefficient Temperature Compensation Setting)**

CAL M+/RM  
MODE ENTER

**Parameter P5 (Electrode Constant calibration)**

CAL M+/RM  
MODE ENTER

**Parameter P6 (Temperature units of measure)**

CAL M+/RM  
MODE ENTER

**Parameter P7 (Display Backlight Setting)**

CAL M+/RM  
MODE ENTER

**Parameter P8 (Automatic Power OFF Setting)**

CAL M+/RM  
MODE ENTER

**Parameter P9 (Restore Factory Default Settings)**

CAL M+/RM  
MODE ENTER

## Conductivity Measurement, Calibration, and Maintenance Considerations

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## Specifications

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### pH Specifications

	∞
	∞ Ω
	°C

### mV Specifications


### Conductivity Specifications

	°C
	°C



**Other Technical Parameters**


**Working Conditions**

	°C
	≅

