

Document Title: TEROS 11/12 Manual Pages		Part # 18225	
		Release Date: 2.15.2019	
Rev	Description	Revision By	Date
00	Created File	LAJ	3.1.2018
01	Miscellaneous edits + specification correction	LAJ	4.24.2018
02	Added TEROS 11 information	LAJ	2.15.2019
03	Updated according to Update DCO — TEROS 11/12 UM backlog	CSC	1.6.2020
04	Update according to Update DCO — TEROS 11/12 UM edits	RRK	11.30.2020
05	Update per UPDATE DCO - TEROS 11/12 IG 11/21	LAJ	11.2021
06	Updated per DCO 14495 , DCO 13785 , DCO 16755	KB	10.2022
07	Updated for DCO 17197 - TEROS 11/12 voltage correction Fixed spec from 3.9 to 5.0 v on page 12; fixed sentence structure plus accuracy in formula terms in first paragraph 3.3.4 page 16; removed PROCHECK reference in Section 2.3	EMR	11.30.2022

Production Filename: http://library.metergroup.com/Manuals/20587_TEROS11-12_Manual_Web.pdf

Working Location: /Volumes/GoogleDrive/Shared drives/Product Number Library/18200-18299/18225

Dimensions: 12.5" wide x 8" tall (folded, 8" H x 6.25" W)

Colors: CMYK/Full color 4/4

Printer: ELECTRONIC ONLY

Image below is for reference only. Not to scale.

18225-02 1-25-2019	
TABLE OF CONTENTS	
1. Introduction.....	1
2. Operation	2
2.1 Installation	2
2.2 Connecting.....	7
2.2.1 Connect to METER Data Logger	7
2.2.2 Connect to a Non-METER Logger.....	8
2.3 Communication	9
3. System.....	11
3.1 Specifications.....	11
3.2 Components	14
3.3 Theory.....	16
3.3.1 Volumetric Water Content	16
3.3.2 Temperature	16
3.3.3 Electrical Conductivity (TEROS 12 only)	16
3.3.4 Converting Bulk EC to Pore EC (TEROS 12 only)	16
3.3.5 Pore Water Versus Saturation Extract EC (TEROS 12 only).....	17
4. Service.....	19
4.1 Calibrations	19
4.1.1 Mineral Soils.....	19
4.1.2 Soilless Media	19
4.1.3 Apparent Dielectric Permittivity.....	20
i	