



Excellence in Compliance Testing

Certification Exhibit

FCC ID: 2AIEF-MCM1900

IC: 21528-MCM1900

FCC Rule Part: 15.247

ISED Canada Radio Standards Specification: RSS-247

ACS Project: 16-2038

Manufacturer: M.C. Miller Co. Inc.

Model: MCM1900

User Manual

Lync Meter User Manual MCM Item Number: 1900

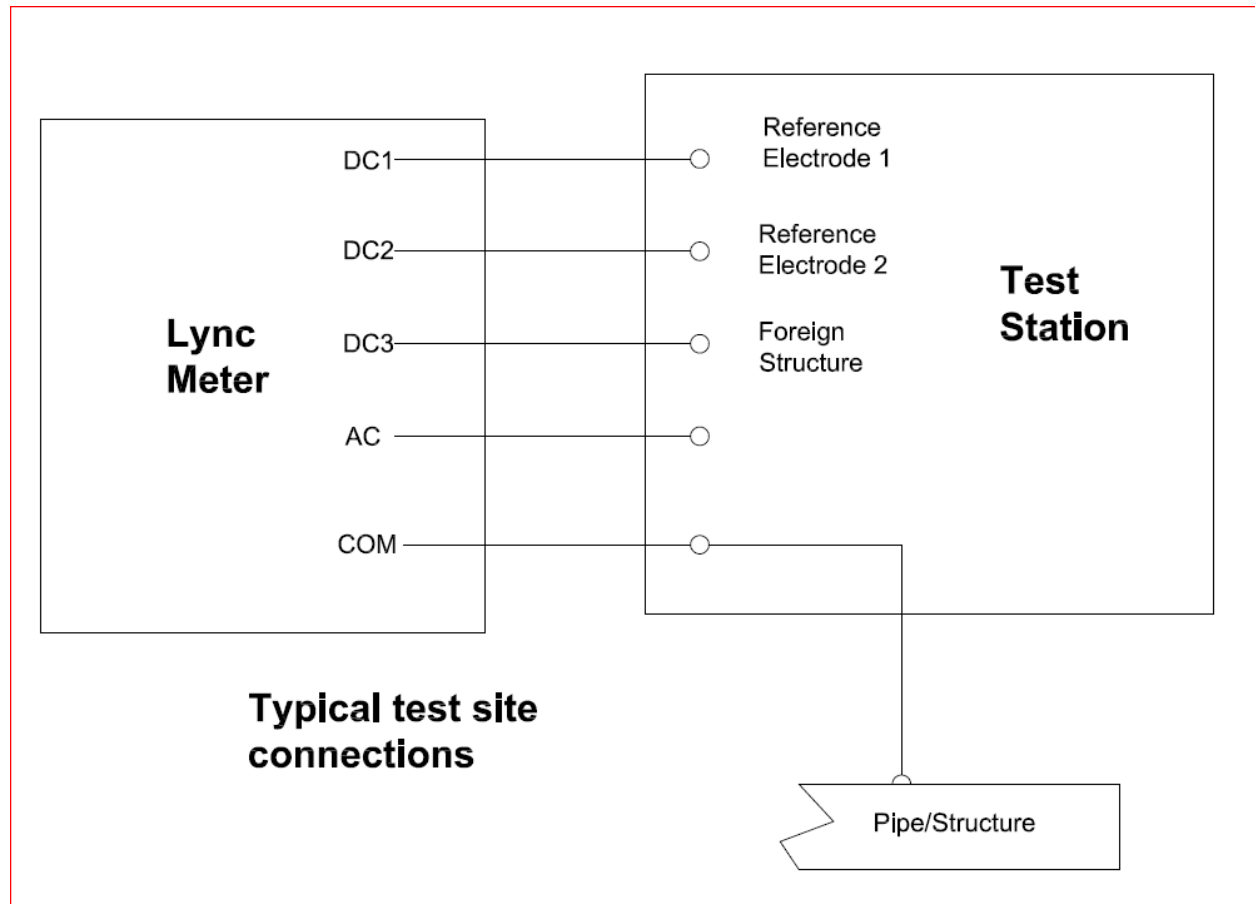


Purpose and Function:

Lync Meter is a battery powered voltmeter designed to be resident in a cathodic protection test station (inside the three inch PVC pipe) or other location and on demand, wirelessly upload data to a tablet or other Android device. The Lync has three DC channels ($\pm 5.7\text{VDC}$) and one AC channel (0-25VAC).

External Connections:

A typical installation is shown below (Fig. 1):



Signal inputs are via the five pin connector (B) at the top of the device and battery power is provided via the coaxial connector (A) as show below (Fig. 2).



Figure 2

Installing the Batteries:

Lync Meter is powered by two (2) 3.6V lithium cells. **Note:** If standard alkaline D cell cells are used, the device **WILL NOT** operate. With the power connector (B) removed from the meter, each D cell is installed in the battery module. (Be sure the “+” end of the cell is correctly aligned as shown on the holder’s label (Fig. 3)

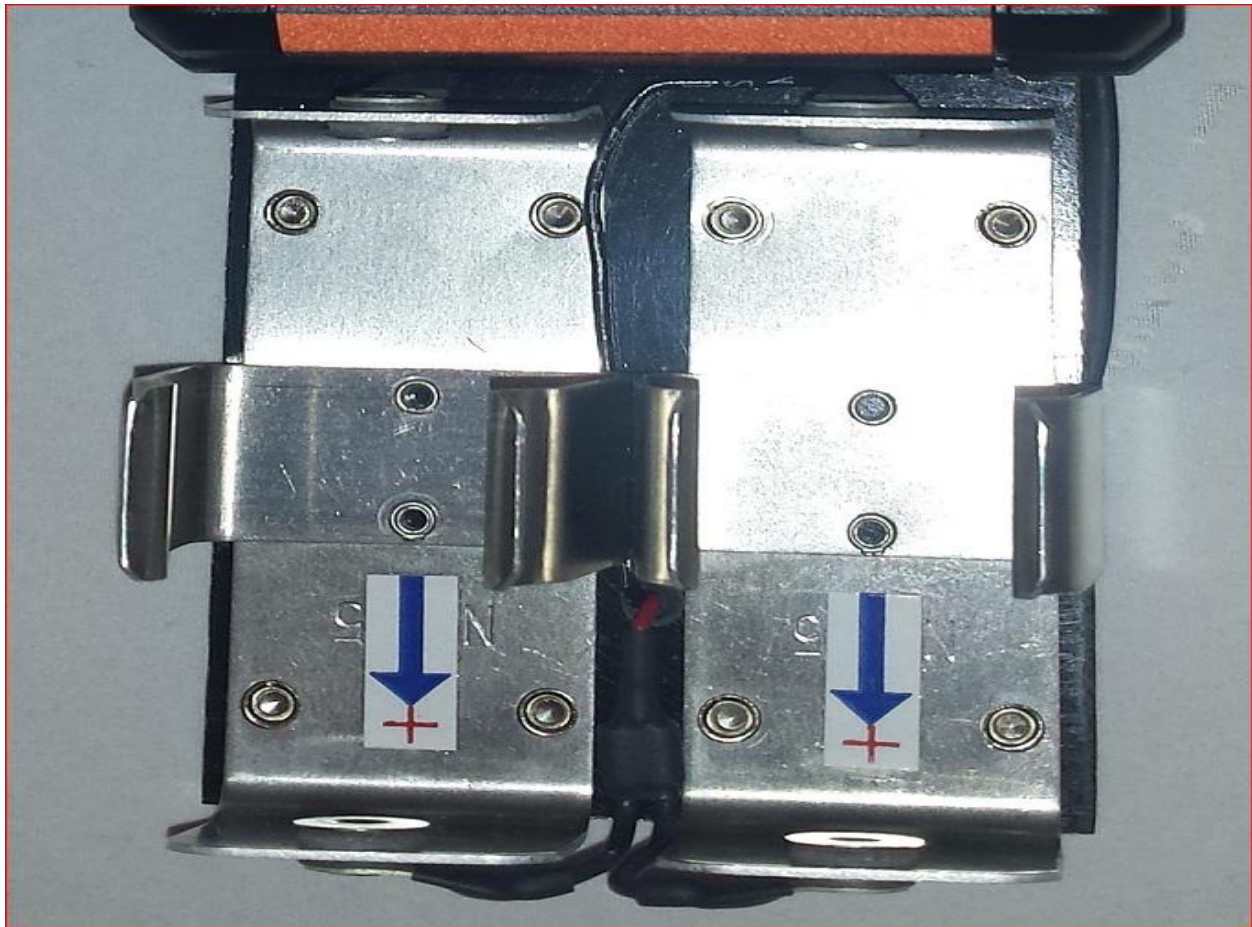


Figure 3

Plug the power connector into the meter and the device is ready for installation.

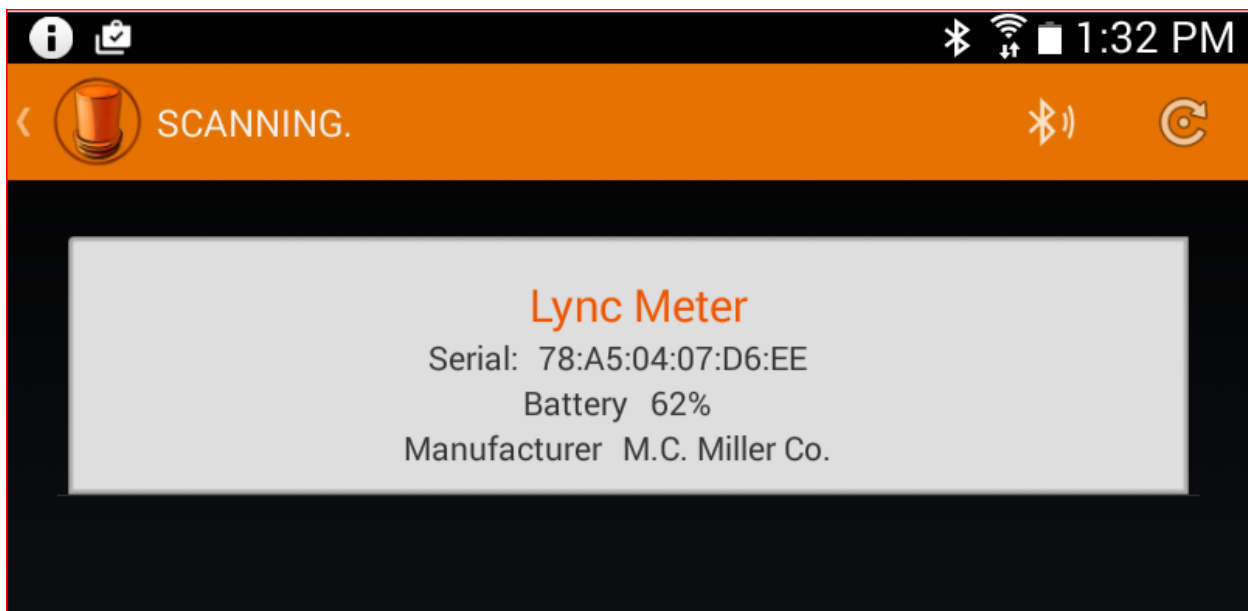
Installation:

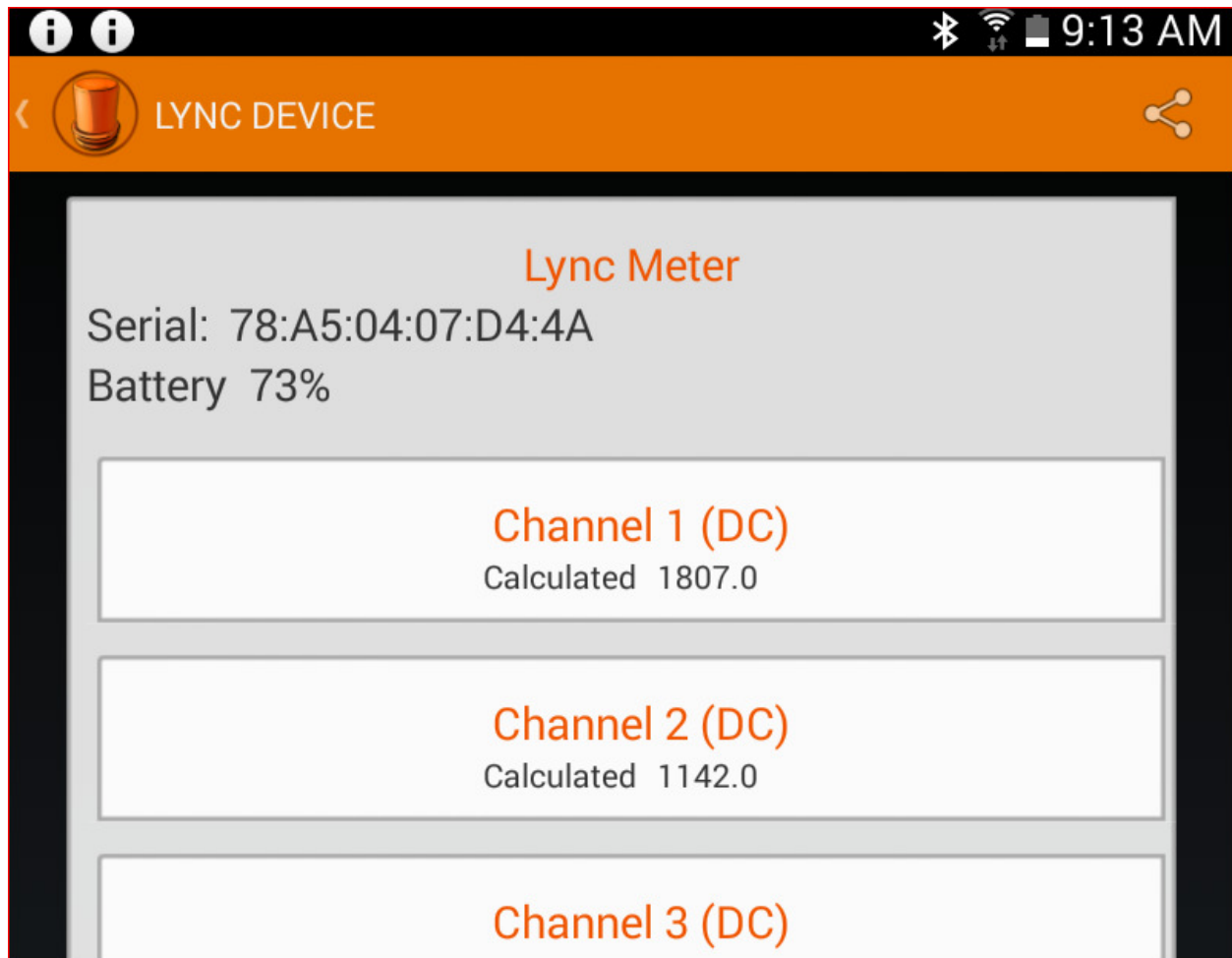
Remove the test station cover and connection box from the PVC pipe. With the extension cable extending through and below the test station head, connect the DC and AC input channels to the desired test station connections via the five pin connector extension leads, connect the connector to the meter, slide the meter into the PVC pipe and reinstall the station connection box.

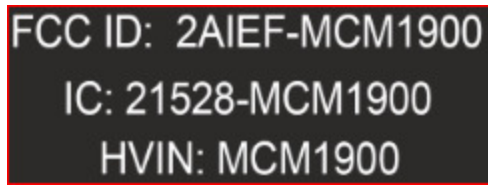
The extraction cable (C) allows the meter to be easily retrieved to change the batteries when necessary.

Basic Operation:

Use the “Quick Read” application in the tablet to verify the meter is functioning properly. Open the app and within a few seconds, the tablet will display the meter identity. Verify the Bluetooth address is correct then tap in the white box and the individual channel readings will be displayed. See Figs. 5 and 6 below.







Warning: FCC Certification and Product Warranty will be revoked if this device is tampered with or modified in any way.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This equipment complies with radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance **20 cm** between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Attention: Certification FCC et garantie du produit sera révoqué si ce dispositif est altéré ou modifié de quelque façon.

Instructions pour la localisation et l'accès à la Déclaration Étiquette FCC (l'intérieur de la couverture): L'utilisation d'un tournevis cruciforme, retirez les quatre vis du couvercle et le capot avant. A l'intérieur, les informations FCC et IC ID.

Cet appareil est conforme à la partie 15 des règles de la FCC. Le fonctionnement est soumis aux deux conditions suivantes: (1) ce dispositif ne peut pas causer d'interférences nuisibles, et (2) cet appareil doit accepter toute interférence reçue, y compris les interférences qui peuvent causer un mauvais fonctionnement.

NOTE : Cet équipement a été testé et jugé conforme aux limites de la classe A des appareils numériques, conformément à la partie 15 des règles de la FCC. Ces limites sont conçues pour fournir une protection raisonnable contre les interférences nuisibles lorsque l'équipement est utilisé dans un environnement commercial. Cet équipement génère, utilise et peut émettre une énergie de radiofréquence et, si non installé et utilisé conformément au manuel d'instructions, peut provoquer des interférences dans les communications radio. Le fonctionnement de cet équipement dans une zone résidentielle est susceptible de provoquer des interférences nuisibles, auquel cas l'utilisateur sera tenu de corriger les interférences à ses propres frais.

Cet équipement est conforme aux limites d'exposition aux radiations dans un environnement non contrôlé. Cet équipement doit être installé et utilisé à distance minimum de 20 cm entre le radiateur et votre corps. Cet émetteur ne doit pas être co-localisées ou opérant en conjonction avec tout autre antenne ou transmetteur.