



# FARMSCAN PICO Drill Depth Indicator

## OPERATION & CALIBRATION GUIDE

### OPERATION:

When switched on, the unit will identify its self by displaying the following messages: "FARMSCAN DI V2.0" and "DEPTH INDICATOR". If the calibration factor is successfully retrieved from internal EEPROM the unit will then display "DEPTH 0.000 M", indicating the unit is ready for use. If the calibration factor was unsuccessfully retrieved, the unit will display "EEPROM ERROR" and the calibration factor will be set to 10 mm per pulse. The unit will not go into operation mode until the calibration factor is rechecked by the operator.

### **Zeroing the Depth Reading:**

The depth reading can be reset to zero by pressing the "RESET" button twice. After the first press the unit will display 'RESET DEPTH?', and after the second the depth reading will be reset. Pressing any other button after the first press will return you to the unit's operation mode without affecting the depth reading.

### CALIBRATION:

#### **Setting the calibration factor:**

Pressing the "cal" button once will bring the unit into calibration mode, the unit will then display "CAL XX MM/PULSE". Use the "UP" and "DN" buttons to select the desired calibration factor. Pressing the "CAL" button again will save the calibration factor into EEPROM memory. If the calibration factor was successfully saved, the unit will go into operation mode and display "DEPTH 0.000 M". If the save was unsuccessful "EEPROM ERROR" will be displayed and you will need to re-enter the calibration factor. The unit will retain a calibration factor in memory even when it is powered off.

### WIRING:

The two core figure eight wire is the unit's power cable. Connect this cable's red wire to a 12 volt power source, and then connect the red wire with the black stripe to ground. The three-pin connector is used to connect the proximity sensor to the unit. The two pin plug is connected to the forward/reverse switch. If the switch is open the depth reading will be incremented with each pulse received and if the switch is closed the depth reading will be decremented. The unit is supplied with extension cords for each cable.

