

**AGRICULTURAL ENGINEERING RESEARCH AND TRAINING CENTRE
DEPT. OF AGRICULTURAL ENGINEERING
COLLEGE OF HORTICULTURE, VELLANIKKARA**

QUOTATION NOTICE

No.AERTC/01/16-17

Dated: 19-09-2016

Sealed quotations are invited from competent parties for the supply of Time Domain Reflectometer (TDR) with accessories to the Agricultural Engineering Research and Training Centre (AERTC), Department of Agricultural Engineering, CoH, Vellanikkara.

Specifications:-

Sl. No	Item	Specification	Quantity
1	Trime-PICO64/160mm Field moisture sensor version p2 with integrated TDR-electronics and temperature sensor(integrated in the probe bottom) to measure the soil temperature, moisture and conductivity when the sensor and fixtures installed in the soil and could be extended upto 50cm with an extension rod. IP 68 sealed.	Probe-Ø:64mm Rod Length:160mm/200mm Rod- Ø:6.0mm Option Analogue outputs: Channel 1 : 0...100%=0.1V/DC Channel2 : -40...+70°C-0...1V/DC Option II IMP –Bus = RS485 Channel 1 : 0....100% Channel 2 : -40...+70°C Channel 3 : TDR Level -User manual Weight (Kg): 0.4	1* No.
2	Trime HD2 Portable hand measurement device for connection Of PICO probes for	Power Consumption : Probe turned on – ca.100mA Measurement – ca. 350mA Measurement per charge: 20°C / Background Illum. Max Mode – Continuous Measurement – ca. 5000 Connectable sensors : PICO64, PICO32,PICO-IPH	1* No.

measuring moisture in soil, sand, Gravel and other material. Incl. Battery Charger and carrying case.	Storage Temperature : -30 °C bis 80 °C Operating temperature : -20 °C bis 70 °C Charging temperature : 10 °C bas 30 °C Charging Voltage : Nom. 12V, Max.15V, Min.12V Charging time: At exhaustively discharged accumulator.2h Accumulator : Ni-MH (4x1.2V) (AA), 200mAh,> 1500 Measurements Physical BUS : RS485 Bus Protocol : IMP – BUS – Protocol II IMP – Bus Port Settings: 8 Data Bits, 2 Stop Bits, Odd Parity	
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* May require one more unit of the items for our network centre, which will be informed in the supply order, on acceptance of the quotation.

Terms and conditions:-

1. The quotations should be addressed to the Professor & Head , AERTC, Department of Agricultural Engineering, College of Horticulture, Kerala Agricultural University, Vellanikkara, Thrissur. 680656.
2. The rate of individual item should be quoted inclusive of all taxes, freight charges and all other charges if any.
3. The quotations should reach the under signed on or before 3.00.pm on 14-11-2016 and the same will be opened on the same day at 3.30.pm
4. The items should be supplied within a period of three weeks from the date of supply order.
5. All terms and conditions of government quotations are applicable to this also.
6. The undersigned reserves the right to reject any quotation without furnishing the reasons.

Professor & Head (Agrl.Engg)

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 Notice Board, Kerala Agricultural University. Vellanikkara.