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## Measuring Range

0-100% volumetric moisture content

## Measuring Accuracy

±2% full scale or better with the standard waveguide connector

## Operating Temperature

0° to +45°C Do not store below -20°C

-5° to +45°C Autologging without use of Display

## Power Supply

2 ea, sealed, gelled electrolyte batteries, supplied. Total capacity: 7 amp hr./ea. Recharge time, 12 hrs.

Quiescent Current 0.02 mA typ., 0.1 mA max.

Auxiliary power input 18-24 volts AC or 18 volts DC, 1.5 amp for battery recharge or independent operation.

External battery input, 12 volts, for independent operation.

## Connecting Port

BNC port - For waveguide connection

RS-232 serial port - (DB25), For data transfer

Multiplex port - (DB15), for sequence switch access and for unattended logging of multiple sites using external equipment.

Power Port - 8 pin DIN

## Memory

- \* Standard 256 Kb memory with storage capacity greater than 180 graphs/5,600 readings.
- \* Optional 4-Mb memory board increases storage to greater than 3,900 graphs/122,800 readings.
- \* Automatic data tagging of reading time/date/reading number plus user defined label.
- \* Autologging capability with reading interval range from one per minute to one per 100 days.

## Electronic Particulars

Measuring pulse amplitude 1.6 volt peak, rise-time 125 ps(pico-seconds)

Sampling resolution, 10 ps

Sampling windows, 10, 20, 40 ns

Total Sampling Range 0-320 ns

Sample Points, 2048 measured, 1200 stored

Repetition Rate, 1.5 MHz

Graphic display - 128 x 256 dot supertwist matrix, backlit LCD

Battery charge status indicator lights (3)

Circuit breaker protection

Hardware - 8-slot card cage, 3 system boards, 5 optional slots

## Included Items

- 1 Trase system (6050X1)
- 1 Waveguide connector (6002F1)
- 1 Set of 15 cm long waveguides (6008L15)
- 1 20 cm long buriable waveguide (6005L2)
- 1 Battery charger (6050V1200-240)
- 1 Operating instructions (0898-6050X1-1of4)