FLGS-TDP XM1000
Sap Velocity System

Dynamax

FLGS - TDP Sap Velocity System

FLGS-TDP XM1000 is the newest completely integrated measurement system for TDP sap velocity sensors. The new XM1000 version of our TDP sap flow system includes the latest expanded memory data logger platform and extended features such as real-time sap flow calculations and auto zero. Each FLGS-TDP system can read up to 32 TDP10/30/50 sensors. This basic system can be expanded with an additional subsystem to read an additional 32 sensors. Each TDP thermocouple is connected to a differential channel on the logger. All the necessary electronics, software and sensors are assembled into a full and complete solution.

In addition to the standard FLGS system, customers may add other sensors such as soil moisture, dendrometers, temperature, or solar radiation. Available channels include: six differential (or 12 S.E.) channels, two pulse channels, and up to (3) SDI-12 ports. Adding sensors requires modification to the logger program. Please contact Dynamax for additional program and custom configuration quotes.

Communication Options

FLGS-TDP Sap Velocity logger offers a variety of communication choices between the logger and user's PC. PC400 software provides direct communication by USB. Dynamax provides point to point MODEMs by RF or by cellular phone. LTE cell phone modem packages, provide remote internet data retrieval.

Ordering Information

FLGS-TDP XM1000
TDP Sap Velocity System, fully assembled with CR1000x
FLGS-GSB
Expand the FLGS System with an additional 32 channels, no cables supplied, with one AVRD
TDP-10, TDP-30, TDP-50, TDP-80, TDP-100
Sap Velocity Thermal Dissipation Probe
TDPJ1 Installation Kit
Drilling jig, drill bits (4 pieces), and removal pry bar
EXTPW-25, EXTPW-50, EXTPW-75, EXTPW-100
TDP-10, TDP-30. & TDP-50 extension cables
EXTPW-25D, EXTPW-50D, EXTPW-75D, EXTPW-100D
TDP-80 extension cables
EXTPW-25T, EXTPW-50T, EXTPW-75T, EXTPW-100T
TDP-100 extension cables

Features

- Advanced CR1000x data logger

- 128 MB flash, 4 MB Ram Memory

- Built-in Program computes sap flow for specific trees

- Automatic night time Zero set. Saves processing time

- Input settings for sap wood area and tree indexing by leaf or stem area.

- Power down, power saving for nighttime, power reduction

- Two AVRD voltage regulators, supply 4 different voltages

- Six open channels for weather or soil sensors