

1. The Miner's Friend

Coal is good to suck,
the rich man said, water from
my swamp. More land for me.

2. A Question related to English Lands

Where is the cotton
from, I wonder; the wool, the
coal I know is local.

3. This is a Direct Quotation

"The promise of an old
fashioned steam locomotive rumbles
through town." He smiling said.

4. On why there were rails before trains

Donkeys are dumb, they
wander off; stop. Stubborn beasts
work better with rails.

5. On naming trains #1

They called it The
Puffing Devil, as if it
was Satan smoking.

6. On naming trains #2

Locomotive 1
The first train, knew it was first.
A proud cock at dawn.

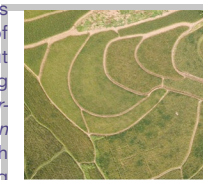
(Un)fettered Hyper-Carbon-Potassium-Nitrogen Circulator-Elevator



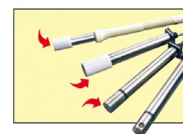
We know that the mensuration of key geo-constitutive elements, such as compositions of carbon, potassium and nitrate containment, as well as their retention and relation to productivity and quality, are of prime importance. We also know how frustrating

the notoriously inaccurate and generalized surveys and estimates done by State Laboratory of Development and Production can be for operativity and productivity metrics. The Earth's own servicing of human needs can vary greatly from pasture to paddock, from grasslands to pasturelands, from one's European corral to another's Canadian meadow.

The need for sub-specificities of measure that match the speed and sensitivity of speculative markets and micro-trade, still loosely associated with matter and material goods but increasingly outside of its rhythms and realities, put us to work on re-engineering the *Unfettered Hyper-Carbon-Potassium-Nitrogen Circulator-Elevator*. Through hyperreal time-sensing speeds and data buffering, we are able to link the value of carbon, potassium, nitrogen and other elements directly to market fluctuation, helping orient activities and productivities on-site, *in situ*.



Close to the sampling location, you can find your unique measurements, develop elemental profiles, and relate these each to NYSE, NASDAQ, JEG, SSE and the HKSE exchanges, movements, and crises, so that you can orient them to your advantage. The production and valuation potentials of *hyper-circulation* and *meta-metabolism*, newly specified algorithms, and capital-optimized earth-use potentials bring to bear the need for newly-designed network sensing probes that run at the speed of finance.



Sensor and calibration through the (U)H-C-P-NC-E come complete with plug-in probes that mount on the instrument or connect via a six-foot extension cable (included). It is never necessary to take the monitor out of service for routine calibration, as the sensors are interchangeable and can be replaced

for the same cost as a typical calibration. What's more: we offer replacement sensors with optional 3-point traceable calibration certificates.



The (U)H-C-P-NC-E connects to an Ethernet Network with a standard RJ45 connector and sends data in standard TCP/IP packets. It is easily configured with a simple menu using a Web browser and can be password protected from within an Ethernet LAN or over the Internet. You, the operator, simply link its IP address or an easy-to-remember name to your favorite market API (Fidelity, TD Ameritrade, Charles Schwab, E*TRADE, etc.) to enjoy instant access to the decision making and market valuations for your plot, land use, and environmental stewardship.

Power

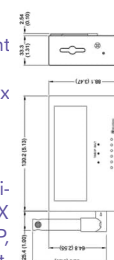
Input: 9 to 12 Vdc
AC Power (Included): Input: 100 to 240 Vac, 50/60Hz Nominal Output: 9 Vdc @ 0.5 A
Back-up Battery: 9 Vdc, Alkaline (included)

Operating Temperature

Server unit: 0 to 60°C (32 to 140°F)
Battery: -18 to 55°C (0 to 131°F) AC Adaptor: 0 to 40°C (32 to 104°F)

Packaging

Weight: 490 g (1.08 lb)
Material: SS 304 case with wall mount bracket
Standard Probe Dimensions: Ø13 x 83.8 mm L (Ø 0.5 x 3.3" L)

**Protocols**

Ethernet (RJ45): Fixed or auto negotiating 10/100BASE-T, Auto MDI/MDIX
TCP, UDP, SNMP, SMTP, NTP, ARP, ICMP, DHCP, DNS, HTTP, and Telnet
LCD Display: 32 digits 4.8 x 9.7 mm (0.19 x 0.38")
Relay Outputs: Two relays 1.5A @ 30 Vdc
Alarm I/Os: Two contact inputs, TTL 0.5 mA with 10K pull-up; one open collector output
Serves WEB pages containing real-time data and live updated charts within definable hyper-real time intervals.