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Ref. LakeShore temperature sensors

Dear Mr. Ing. Marcel Fronko,

In replay to your enquiry for Lake Shore temperature sensors and accessories, we have much pleasure in submitting the following quotation:

I. Lake Shore Cryotronics - Temperature Controller

336 Model 336 temperature controller with 4 diode/RTD inputs ... 5,150 \$
and 4 control outputs-includes one dual banana jack heater output connector (106-009), four 6-pin DIN plug sensor input mating connectors (G-106-233), one 10-pin terminal block (G-106-755), a calibration certificate, and a Model 336 user manual (119-048)

336-3060 Model 336 temperature controller with 4 diode/RTD inputs ... 5,450 \$
and 4 control outputs
- includes one dual banana jack heater output connector (106-009), four 6-pin DIN plug sensor input mating connectors (G-106-233), one 10-pin terminal block (G-106-755), a calibration certificate, and a Model 336 user manual (119-048);
- includes installed 3060 thermocouple option card enabling thermocouple measurement on two inputs

336-3061 Model 336 temperature controller with 4 diode/RTD inputs ... 5,450 \$
and 4 control outputs
- includes one dual banana jack heater output connector (106-009), four 6-pin DIN plug sensor input mating connectors (G-106-233), one 10-pin terminal block (G-106-755), a calibration certificate, and a Model 336 user manual (119-048);
- includes installed 3061 capacitor option card enabling capacitance measurement on one input

336-3062 Model 336 temperature controller with 4 diode/RTD inputs ... 5,450 \$
and 4 control outputs
- includes one dual banana jack heater output connector (106-009),

four 6-pin DIN plug sensor input mating connectors (G-106-233), one 10-pin terminal block (G-106-755), a calibration certificate, and a Model 336 user manual (119-048);
 - includes installed 3062 scanning option card adding four additional scanned diode/RTD inputs

- Operates down to 300 mK with appropriate NTC RTD sensors
- Four sensor inputs and four independent control outputs
- Two PID control loops: 100 W and 50 W into a 50 or 25 Ω load
- Autotuning automatically collects PID parameters
- Automatically switch sensor inputs using zones to allow continuous measurement and control from 300 mK to 1505 K
- Custom display setup allows you to label each sensor input
- Ethernet, USB and IEEE-488 interfaces
- Supports diode, RTD, and thermocouple temperature sensors
- Sensor excitation current reversal eliminates thermal EMF errors for resistance sensors
- ± 10 V analog voltage outputs, alarms, and relays

Accessories included:

- 106-009 Heater output connector (dual banana jack)
- 106-233 Sensor input mating connector(6-pin DIN plugs)
- 106-735 Terminal block, 8-pin
- Calibration certificate
- MAN-336 Model 336 user manual

*Specify power line option

VAC-220 Instrument configured for 220Vac with universal Euro line cord

VAC-240 Instrument configured for 240Vac with universal Euro line cord

II. Lake Shore, SUA – temperature sensors

CX-1050-SD-HT	Cernox™ 1050 high temperature sensor in SD package, ... 270 \$/ea Uncalibrated, 5 pcs.	
CC-SS-25	Type SS coaxial cable, 7.6 m (25 ft)	... 380 \$/ea
ES-2-20	Stycast epoxy, 2 g packs, qty. 20	... 300 \$
	NON-RETURNABLE - we are unable to accept returns of this product	
WCT-RB-34-25	Twisted wire, red with black, 34 AWG, 7.6 m (25 ft)	... 90 \$
WQT-36-25	Quad-Twist™ wire, 36 AWG, 7.6 m (25 ft)	... 190 \$

Option

I. Tektronix / KEITHLEY Instruments IEEE488 Interface

1. KPCI-488LPA	Low profile, GPIB interface plug-in card for PCI-bus includes Keithley/CEC and NI GPIB driver set. *** Nu include support TestPoint	... 705 €
2. KUSB-488B	IEEE-488 Interface Unit, 880kBytes/s USB Interface	... 763 €

Note. Software included: 32-bit DLL and drivers full compatibility with MS Visual Studio 6.0, .NET, Borland Delphi, Borland C Builder 6.0, LabView, LabWindows/CVI.

Cables

1. 7006-1	Single-Shielded IEEE Cable, 1m, terminated with one feed through style and one straight on IEEE-488 connector	... 177 €
2. 7006-2	Single-Shielded IEEE Cable, 2m, terminated with one feed through style and one straight on IEEE-488 connector	... 193 €
3. 7007-05	Double-Shielded Premium IEEE Cable, 0.5m	... 159 €
4. 7007-1	Double-Shielded Premium IEEE Cable, 1m	... 165 €

5. 7007-2	Double-Shielded Premium IEEE Cable, 2m	... 182 €
6. 7007-3	Double-Shielded Premium IEEE Cable, 3m	... 196 €
7. 7007-4	Double-Shielded Premium IEEE Cable, 4m	... 203 €

Note. We'll add for each shipment "additional operational cost" of 60 \$.

Note_1. The total amount of your order have to be bigger than 500 \$.

Note_2. We'll add 150\$ additional shipment cost for all orders below 1,000 \$

Note_3. All bank and intermediary banks fees for wire transfer will be the responsibility of Buyer.

Prices are DDP Prague.

Payment Terms: within 30 days invoice date.

Delivery: 5-6 weeks, after order time.

Origin: USA

Warranty: 1 (one) year

Validity: 30 days

We could provide additionally engineering, hardware and software, by request.

Should you have further questions, please do not hesitate to contact me in Bucharest.

Looking forward to a fruitful collaboration.

Cu stimă,



Dr.ing. Dragoș Ofrim
Director