

We intend to purchase the items as specified below.

Sr.	Description	Qty.
1	Manganin Piezoresistance Stressometer	1 Set
2	Along with High Speed Constant Current Sync-Supply	1 Set
3	Manganin Pressure Sensors along with accessories	1000
[Note: Detail specification is attached at page-2]		

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1. High-Speed Constant-Current Sync-Supply (Qty 1)

4 Channels: constant current value upto 10 A

In 10 μ s the constant current values should not change more than 1%

Pulse width (Nominal Value): 50 μ s / 100 μ s / 200 μ s / 500 μ s / 1 ms:

The level of normal operation: 400V~450V

Internal resistance 50 Ω

External load 0.02 Ω ~ 0.2 Ω

The triggering time < 500 ns

2. Manganin Piezoresistance Stressometer (Qty 1)

4 Channels: constant current value upto 10 A

Nominal Gain 5, 25, 100, 500, corresponding pressure range 8 GPa, 2 GPa, 0.4GPa, 0.08GPa

External piezoresistance 45 Ω ~ 55 Ω

Output Impedance 50 Ω

Output voltage -1.2V~1.2 V

3. Low pressure sensors (0-5 GPa) (Qty 200)

Resistance value ~ 50 Ω

Thickness 0.100 mm

4. High pressure sensors (5-40 GPa) (Qty 800)

Resistance value 0.1 Ω ~0.2 Ω

Thickness 0.100 mm