KEITHLEY INSTRUMENTS INC

Form SC 13G February 13, 2008

SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

SCHEDULE 13G (Rule 13d-102)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO RULES 13d-1 (b) (c), AND (d) AND AMENDMENTS THERETO FILED PURSUANT TO RULE 13d-2 (b)

	Keithley Instruments, Inc.
	(Name of Issuer)
	Common Shares, Without Par Value
	(Title of Class of Securities)
	487584104
	(CUSIP Number)
	July 31, 2007
	(Date of Event which Requires Filing of this Statement)
Check is fil	the appropriate box to designate the rule pursuant to which this Schedule led: X Rule 13d-1(b) _ Rule 13d-1(c) _ Rule 13d-1(d)
initia for an	remainder of this cover page shall be filled out for a reporting person's al filing on this form with respect to the subject class of securities, and ny subsequent amendment containing information which would alter osures provided in a prior cover page.
to be 1934	nformation required on the remainder of this cover page shall not be deemed "filed" for the purpose of Section 18 of the Securities Exchange Act of ("Act") or otherwise subject to the liabilities of that section of the Act hall be subject to all other provisions of the Act (however, see the).
CUSIP	No. 487584104 13G Page 2 of 8 Pages
1.	NAMES OR REPORTING PERSONS S.S. OR I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS
	Renaissance Technologies LLC 26-0385758
2.	CHECK APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS): (a) _ (b) _
3.	SEC USE ONLY

4.	CITIZENSHIP OR PLACE OF ORGANIZATION							
	Delaware							
		5.	SOLE VOTIN	G POWER				
			831,500					
NUMBER OF SHARES BENEFICIALLY		6.	SHARED VOT	ING POWE	₹			
			0					
E	OWNED BY EACH		SOLE DISPOSITIVE POWER					
REPORTING PERSON			850,000					
W	ITH	8.	SHARED DIS	POSITIVE	POWER			
			0					
9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON					 RSON			
	850,000							
10.	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)							
11.	 PERCENT	OF CL	 ASS REPRESEN	TED BY AN	 MOUNT IN I	 ROW (9)		
	6.13%							
12.	TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)							
	IA							
				Page 2 of	f 8 Pages			
CUSIP	No. 4875				======================================		Page 3 of	8 Pages
1.	NAMES OR REPORTING PERSONS S.S. OR I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS							
	James H. Simons							
2.	CHECK APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS): (a) _ (b) _							
3.	SEC USE	ONLY						
1	CITITENC		R PLACE OF O	 DC				

Uni	ted State	S					
	5.	SOLE VOTING POWER					
		831,500					
NUMBER		SHARED VOTING POWER					
SHARES BENEFICI		0					
OWNED E EACH		SOLE DISPOSITIVE POWER					
REPORTI PERSON		850,000					
WITH	8.	SHARED DISPOSITIVE POWER					
		0					
9. AGG	GREGATE AM	OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON					
850	850,000						
	HECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES SEE INSTRUCTIONS) _						
 11 PER	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)						
6.1		EIGO IMINDOMINE EL INICONT IN NON (5)					
		DTING DEDGON (SEE INSTRUCTIONS)					
IN	TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)						
		Page 3 of 8 Pages					
======= CUSIP No.	48758410	4 13G Page 4 of 8 Pages					
=======	=======						
Item 1.							
(a)	(a) Name of Issuer.						
	Keithl	ey Instruments, Inc.					
(b)	Addres	s of Issuer's Principal Executive Offices.					
		Aurora Road Ohio, 44139					
Item 2.							
(a)	(a) Name of Person Filing.						
		chedule 13G is being filed by Renaissance Technologies LLC) and James H. Simons ("Simons").					

(b) Address of Principal Business Office or, if none, Residence.

The principal business address of the reporting persons is:

800 Third Avenue New York, New York 10022

(c) Citizenship.

Dr. Simons is a United States citizen and RTC is a Delaware limited liability company

(d) Title of Class of Securities.

Common Shares, Without Par Value

(e) CUSIP Number.

487584104

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- (a) $|_|$ Broker or dealer registered under Section 15 of the Act.
- (b) |_| Bank as defined in Section 3(a)(6) of the Act.
- (c) |_| Insurance Company as defined in Section 3(a)(19) of the Act.
- (e) |X| Investment Adviser in accordance with Sec. 240.13d-1(b)(1)(ii)(E).
- (f) \mid Employee Benefit Plan or Endowment Fund in accordance with Sec. 240.13d1(b)(1)(ii)(F).
- (g) |_| Parent holding company, in accordance with Sec. 240.13d-1(b)(ii)(G).
- (h) |_| A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act.
- (i) |_| A church plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act of 1940.
- (j) $|_|$ Group, in accordance with Sec. 240.13d-1(b)(1)(ii)(J).

If this statement is filed pursuant to Sec. 240.13d-1(c), check this box $|_|$.

Item 4. Ownership

(a) Amount Beneficially Owned.

RTC: 850,000 shares

Simons: 850,000 shares, comprising the shares beneficially owned by RTC, because of Dr. Simons' position as control person of RTC.

- (b) Percent of Class. RTC: 6.13% Simons: 6.13%
- (c) Number of shares as to which each such person has
 - (i) sole power to vote or to direct the vote: RTC: 831,500

Simons: 831,500

(ii) shared power to vote or to direct the vote: 0

(iii) sole power to dispose or to direct the disposition of:

RTC: 850,000 Simons: 850,000

(iv) shared power to dispose or to direct the
 disposition of:

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Item 5. Ownership of Five Percent or Less of a Class.

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following $|_|$

Item 6. Ownership of More than Five Percent on Behalf of Another Person.

Certain funds and accounts managed by RTC have the right to receive dividends and proceeds from the sale of the securities which are the subject of this report. RIEF Trading LLC holds of record more than 5% of such securities.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company or Control Person.

Not applicable.

Item 8. Identification and Classification of Members of the Group.

Not applicable.

Item 9. Notice of Dissolution of Group.

Not applicable.

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Item 10. Certification.

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date: February 12, 2008

/s/ James H. Simons
----James H. Simons

Renaissance Technologies LLC

By: /s/ Mark Silber

Mark Silber

Executive Vice President

Attention: Intentional misstatements or omissions of fact constitute Federal criminal violations (see 18 U.S.C. 1001).

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