

Stoelting Co. History

Founded in 1886, Stoelting is a manufacturer of superior instruments and assessments for basic scientific research.



FOUR DIVISIONS

- Polygraph
- Neuroscience/Physiology Research Equipment
- ANY-maze Behavioral Tracking
- Psychological Tests & Special Education

CPS*pro*
COMPUTERIZED POLYGRAPH SYSTEM



STOELTING CO.

Over 70 years of
Polygraph Innovation



Introducing the All-New CPS Pro

Reinventing the instrument that started it all...



NEW FEATURES

- Updated high-resolution, 24-bit analog-to-digital conversion circuitry
- Records up to 13 channels
- Medical-grade LEMO and Luer inputs and connectors
- Use either Electronic or Pneumatic Respiration Transducer
- Use either Skin conductance or Skin Resistance
- Cardiograph supports up to 200 mm Hg
- Plug-and-Play via a USB 2.0 connection. No driver installation is required
- Use with current easy-to-use, powerful, and feature-rich CPS software
- 3-year immediate replacement warranty
- New Nanuk Rugged Storage Case

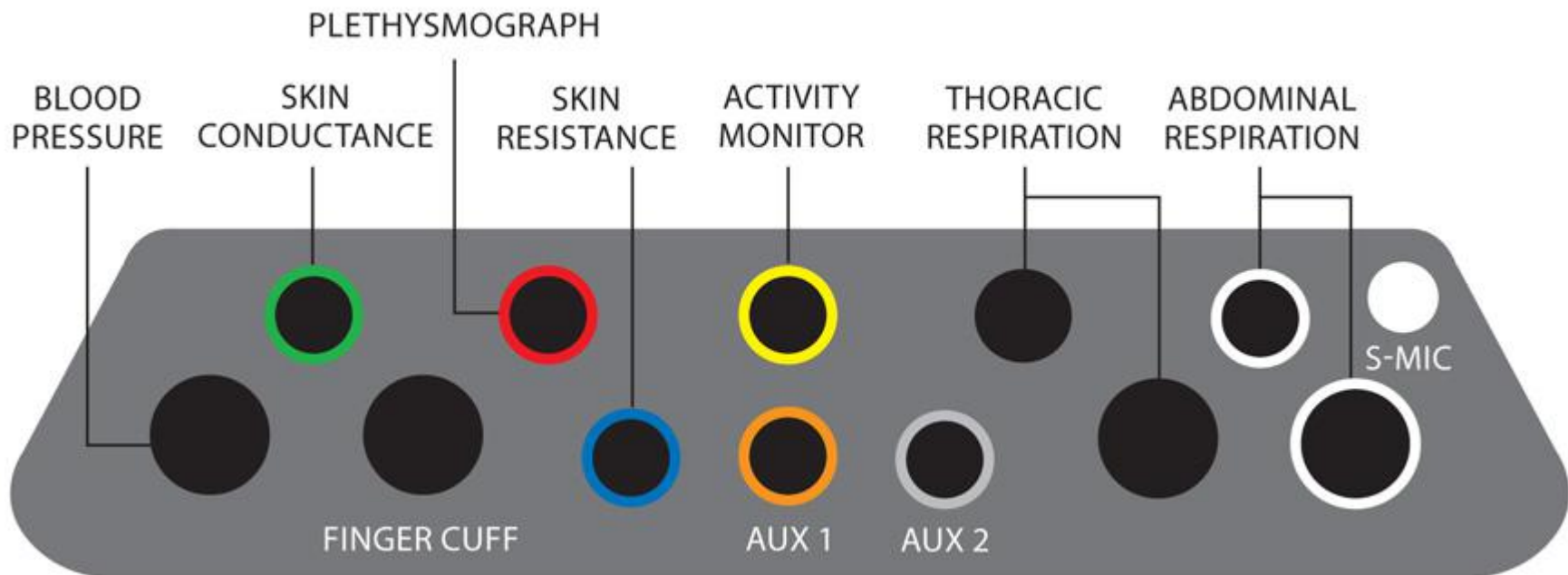
CPS PRO Hardware



NEW FEATURES

- Records up to 12 physiological channels
- Medical-grade LEMO and Luer inputs and connectors
- Unparalleled flexibility and power
- Use with current easy-to-use and feature-rich CPS software
- 3-year immediate replacement warranty

CPS PRO Channels



Respiration Channels

Electronic



Classic Bellows



Primary EDA Channels

Skin Conductance

Silver-Silver Chloride
Laboratory Grade Cups



OR

Skin Resistance

Silver-Silver Chloride Snap Leads



Cardio Channels



Traditional Adult size
V-Lok arm Cuff



Finger Cuff



Plethysmograph

Activity Monitor

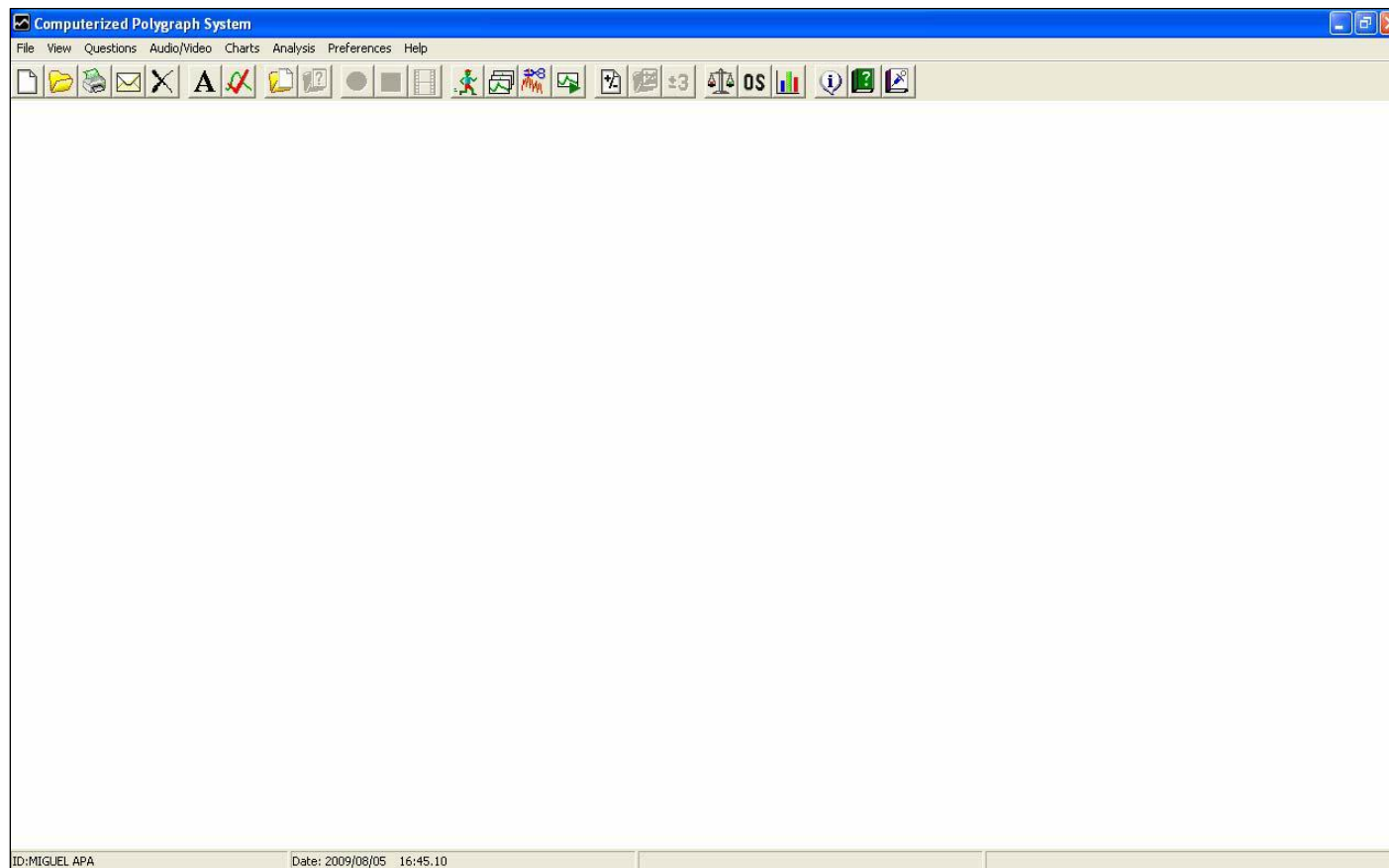
- Detects subject movement
- Piezo film sensor: Very sensitive and flexible (12" X 14")



CPS Pro Software

- User Interface
- Question Editor
- Chart Recorder
- Chart Viewers
- Computer Algorithms

User Interface








User Interface

- Very intuitive and elegant design
- Feature rich and powerful
- No complicated procedures
- All mouse activated controls
- Drop down menus & icons

Question Editor

Template : UTAH CQT

File Edit Search Paste Sequence

	Lbl	Type	Ans	Text
1	I	O	Yes	DO YOU UNDERSTAND THAT I WILL ASK ONLY THE QUESTIONS THAT WE HAVE DISCUSSED?
2	SR	O	Yes	DO YOU INTEND TO ANSWER TRUTHFULLY ALL OF THE QUESTIONS ABOUT ____?
3	N1	N	Yes	IS YOUR NAME ____?
4	C1	C	No	DURING THE FIRST ____ YEARS OF YOUR LIFE, DID YOU EVER ____?
5	R1	R	No	DID YOU ____?
6	N2	N	Yes	DO YOU LIVE IN ____?
7	C2	C	No	BETWEEN THE AGES OF ____ AND ____, DID YOU EVER ____?
8	R2	R	No	DID YOU ____?
9	N3	N	Yes	WERE YOU BORN IN THE MONTH OF ____?
10	C3	C	No	PRIOR TO AGE ____, DID YOU EVER ____?
11	R3	R	No	WERE YOU INVOLVED IN ANY WAY IN ____?
12				
13				
14				
15				
16				
17				

Chart Recorder

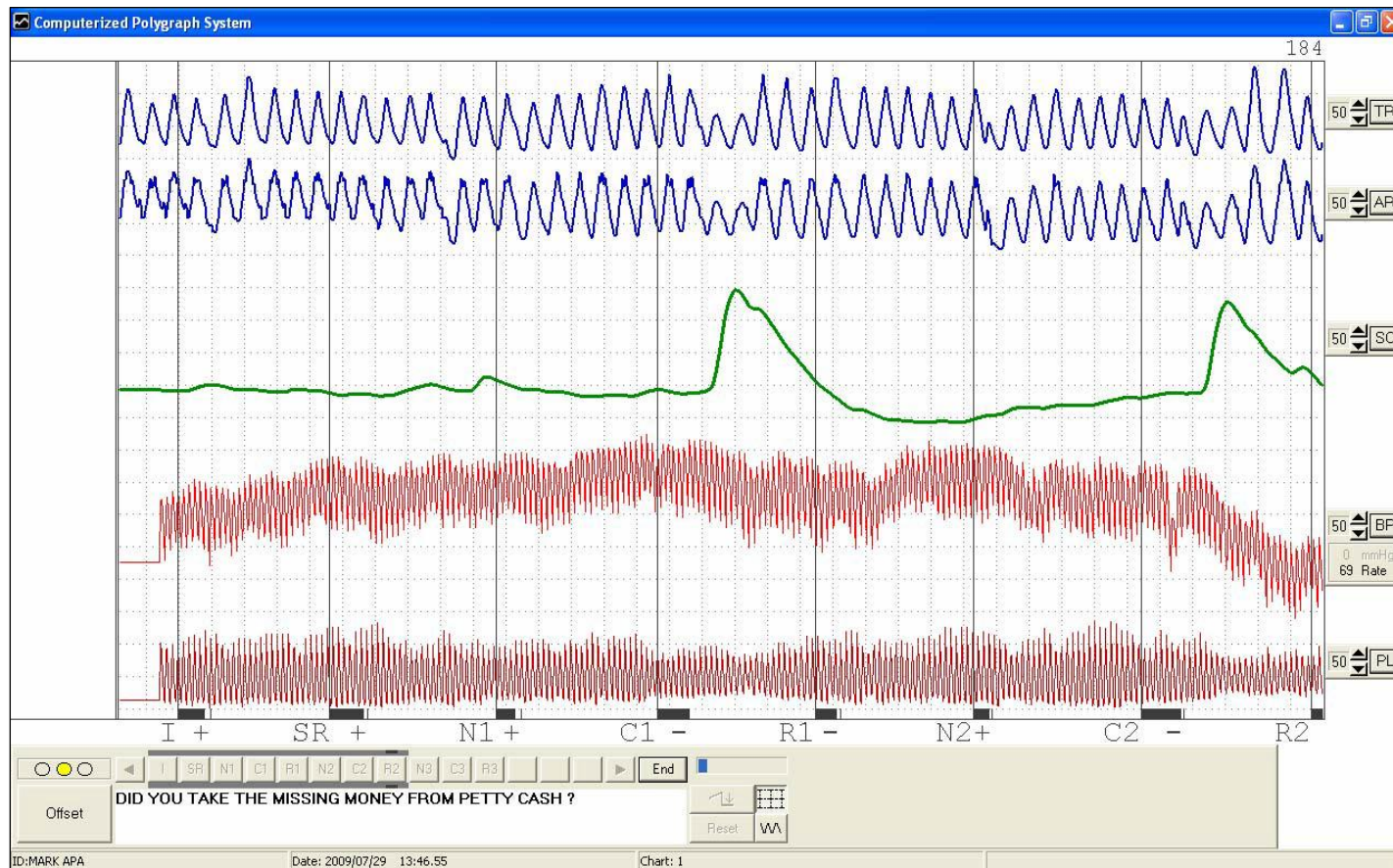


Chart Recorder Features

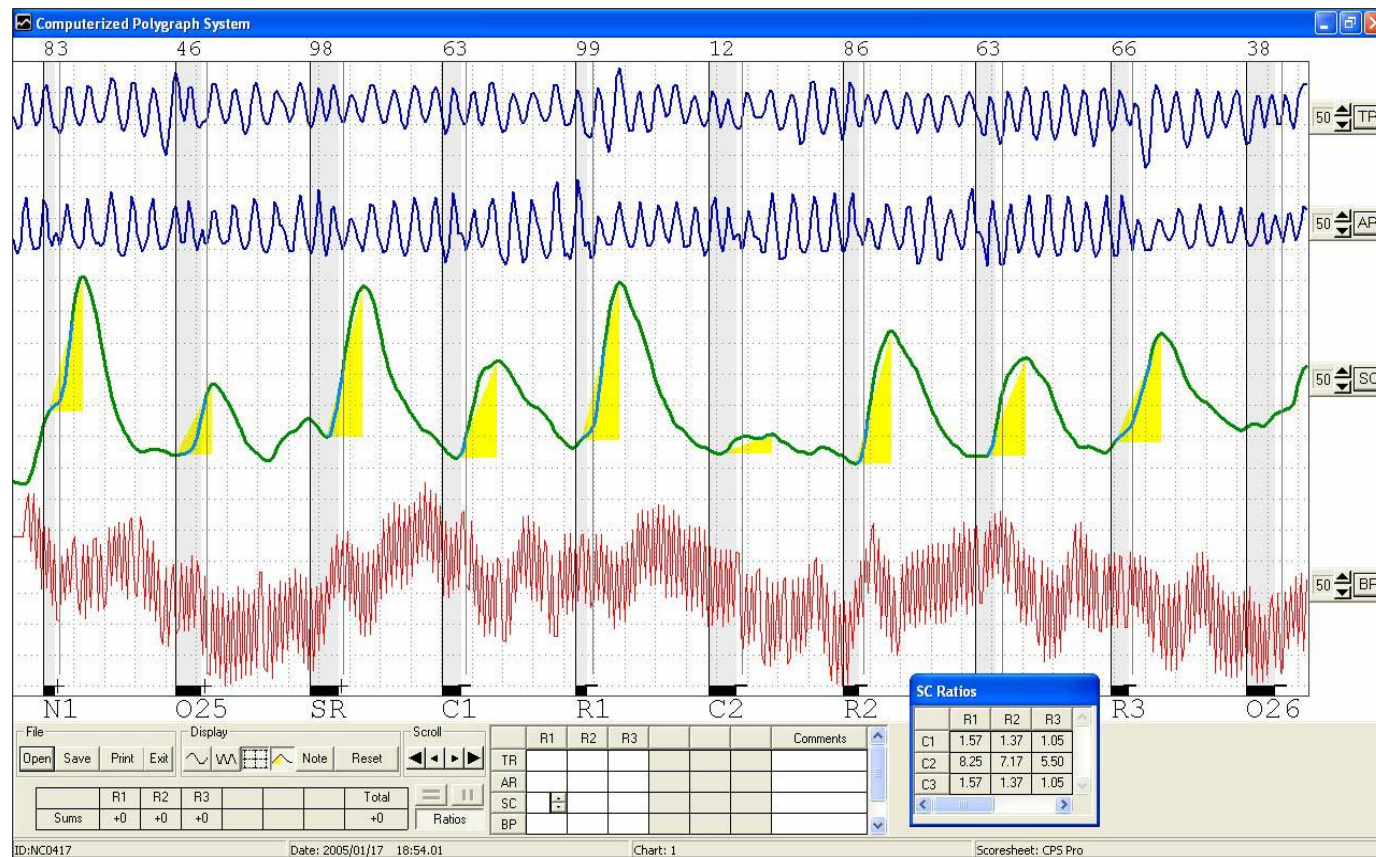
- Easily ask questions out of order
- Easily switch between question sets
- Easily select new sequences for charts
- Self centering cardio and EDA without a loss of data
- Standardized sensitivity gains, examiner adjustments have no effect on actual gain settings
- Digital reading of cuff pressure and pulse rate on cardiograph

Computer Algorithms

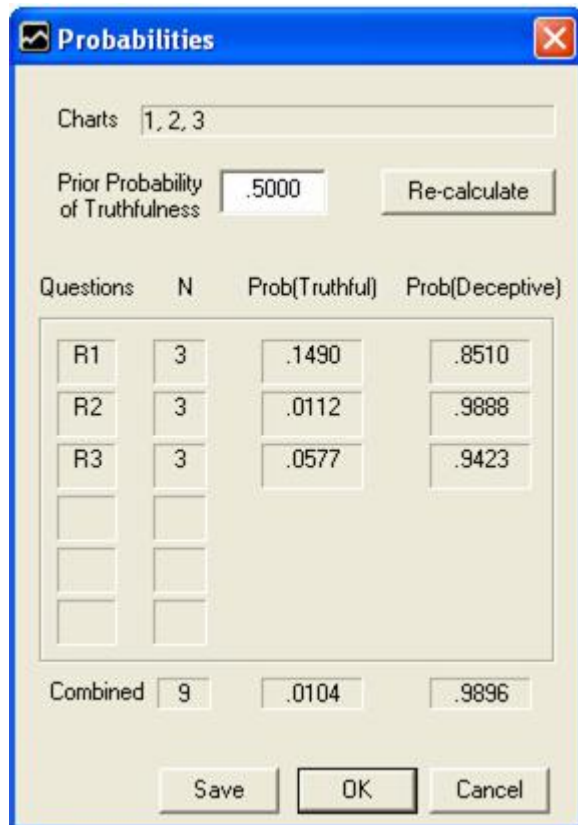
- On Screen Numerical
- Utah Probability
- Objective Scoring System
- Response Magnitudes

***ALL HAVE BEEN VALIDATED AT THE UNIVERSITY OF UTAH
ALL ARE PART OF CPS PRO SOFTWARE AND ARE FREE OF CHARGE**

On Screen Numerical



Utah Probability Analysis



Charts: 1, 2, 3

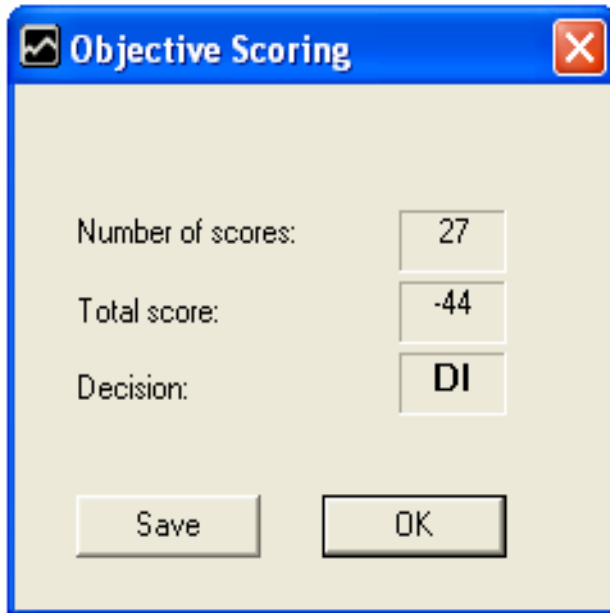
Prior Probability of Truthfulness: .5000 [Re-calculate]

Questions	N	Prob(Truthful)	Prob(Deceptive)
R1	3	.1490	.8510
R2	3	.0112	.9888
R3	3	.0577	.9423
Combined	9	.0104	.9896

[Save] [OK] [Cancel]

- Unbiased against Truthful subjects
- Scientifically validated and published in top tier psychology journals
- Get probability for each relevant question or any combination of relevant questions or charts
- Optimal cutoffs are .70 and .30 for truthful and deceptive decisions

Objective Scoring System



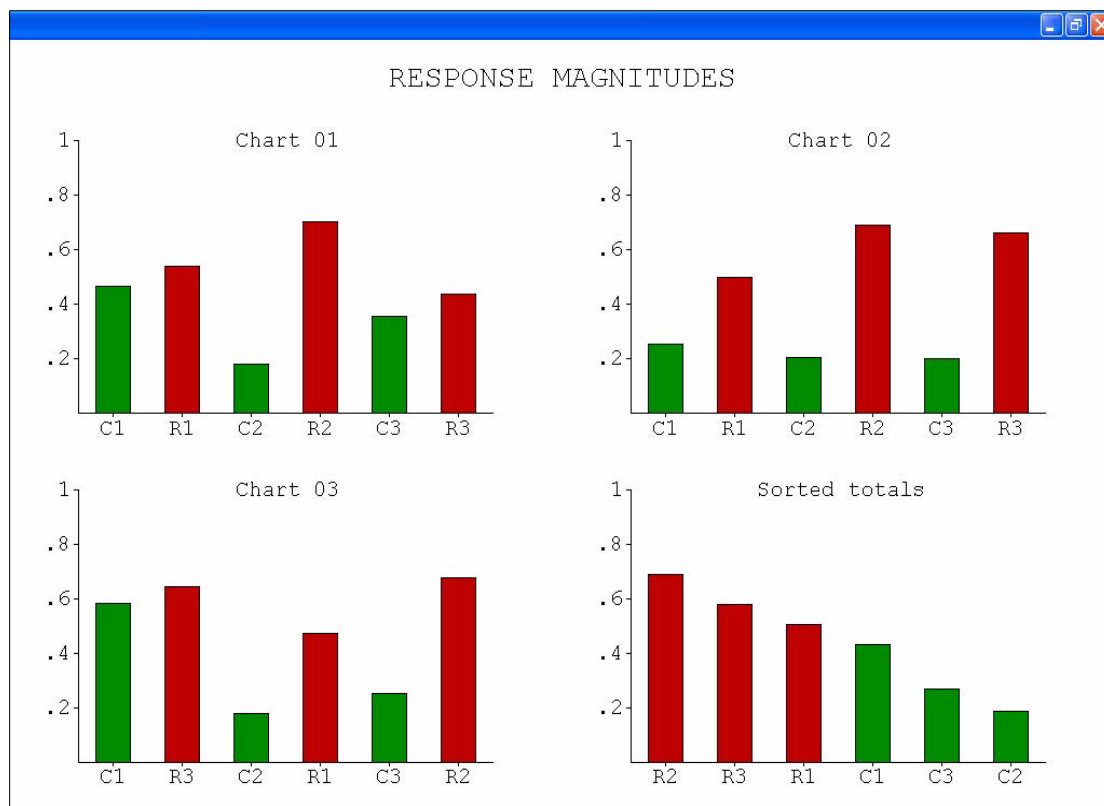
A screenshot of a software dialog box titled "Objective Scoring". The dialog box has a blue title bar with a close button (X) in the top right corner. The main area is light beige and contains three rows of labels and text boxes. The first row is "Number of scores:" followed by a text box containing "27". The second row is "Total score:" followed by a text box containing "-44". The third row is "Decision:" followed by a text box containing "DI". At the bottom of the dialog box, there are two buttons: "Save" on the left and "OK" on the right.

Number of scores:	27
Total score:	-44
Decision:	DI

Save OK

- Based on validated Kircher features
- Decision is DI, NDI, or No Opinion (NO)

Response Magnitudes



- Provides strength of reaction in bar graph form
- Examiner can look at one question, one chart, or any combination they desire
- Can use with RI techniques
- Great tool for getting confessions

New Professional Carrying Case



- Impact Resistant
- Crushproof
- Waterproof
- Dustproof
- Patented PowerClaw
Latching System
- Lifetime Guarantee

Más información

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