

# Ganzfeld Q450 C

# Ganzfeld Q450 SC

Advanced EOG, ERG and Flash VEP on the basis of ISCEV

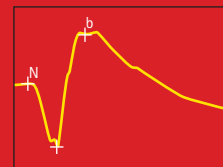
The ROLAND CONSULT's High-End, software-controlled All-Color GANZFELD with white, royal blue, blue, green, amber and red LEDs for advanced Flash and Backlight  
HIGH FLASH option: Xenon tube



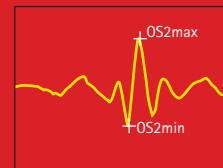
Ganzfeld Q450SC on Lifting Table



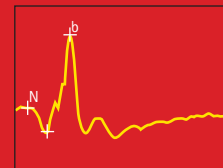
Rod ERG



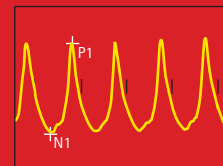
Standard combined ERG



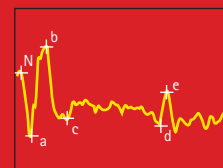
Oscillatory potential



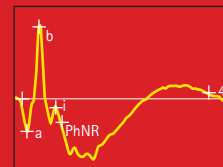
Single-flash cone ERG



30 Hz Flicker ERG



ON-OFF response



PhNR response

Certification:  
Quality Management System  
EN ISO 9001:2000  
EN ISO 13485:2003  
TÜV Rheinland 0197

RC item no.: 19-1-60.1  
Release: 24-04-2008

**ROLAND  
CONSULT**  
Electrophysiological diagnostic systems

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Advanced EOG, ERG and Flash VEP on the basis of ISCEV

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## Backlight intensities

Luminance White in cd/m <sup>2</sup>	Royal Blue	Green	Amber	Red
10	✓	✓	✓	✓
15	✓	✓	✓	✓
20	✓	✓	✓	✓
25	✓	✓	✓	✓
50	✓	✓	✓	✓
100	✓	✓	✓	✓
450	✓	✓	✓	✓

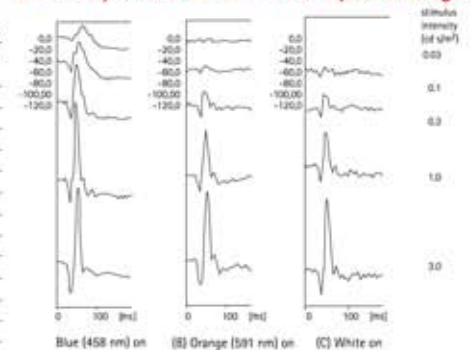
Q450 SC: other values, on inquiry

## Peak wavelength of Color LEDs & Flash intensities with pulse-width modulation

Peak wavelength in nm	(6700 K) White	455 Blue	470 Blue	525 Green	590 Amber	625 Red
Steps in dB	Luminance in cds/m <sup>2</sup>					
+ 5	9,5	✓				
0	3,0	✓				
- 5	0,95	✓	✓	✓	✓	✓
- 10	0,3	✓	✓	✓	✓	✓
- 15	0,095	✓	✓	✓	✓	✓
- 20	0,03	✓	✓	✓	✓	✓
- 25	0,0095	✓	✓	✓	✓	✓
- 30	0,003	✓	✓	✓	✓	✓
- 35	0,00095	✓	✓	✓	✓	✓
- 40	0,0003	✓	✓	✓	✓	✓
- 45	0,000095	✓	✓	✓	✓	✓
- 50	0,00003	✓	✓	✓	✓	✓

Q450 SC: other values, on inquiry

## Stimulation with blue, orange and white LEDs on the differently colored but luminance-equated backgrounds



## Included features:

- Advanced EOG, ERG, Flash VEP on the basis of ISCEV
- Globe diameter: 400 mm
- Installation on Lifting Table and hanging at Tilting Stand
- Continuously stepless, free Color Mix (Q450SC)
- Max. Flash duration: 5 ms
- Double Flash
- Integrated Video Camera to watch the patient
- Eye Fixation LED with Backlight-dependent intensity
- ON-OFF EOG
- EOG LEDs at 30-degree angle
- EOG Fast and Slow
- Audio Beep synchronal with EOG LED
- Audio Beep: left/right side
- Audio Flash warning before next Flash
- USB connection
- Voltage: 115 V – 230 V (medical device standard)

## Tilting Stand

Electrically height adjustable, Ganzfeld rotatable/inclinable



## Animal Table A1

- temperature-controlled,
- Retaining Arms for flexible Electrode placement



**Option: „X“**  
**– white Xenon High Flash tube**  
 (Ganzfeld Q450CX Ganzfeld Q450SCX) Flash intensities in cds/m<sup>2</sup>: 9,5; 30; 95

## Automatic Ganzfeld Calibration

GOSSEN  
 MAVO-MONITOR  
 via USB



Distributor:

**ROLAND CONSULT**  
 Electrophysiological diagnostic systems

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