Maquet Datascope CS300

SOMA TECHNOLOGY, INC.™

New, Demo & Refurbished Medical Equipment

The Maquet Datascope CS300 IABP with IntelliSense combines fiber-optic speed with automatic in vivo calibration. The result is faster time to therapy, faster signal acquisition, and faster adaptation to rate and rhythm changes. Maquet has the only fiber-optic IABP and catheter system that automatically calibrates in the patient after insertion and automatically recalibrates in vivo every two hours or sooner should patient or environmental conditions change.

Features

- Faster inflation and deflation speed
- CS300 has true one-button start-up
- Automatically calibrates the fiber-optic pressure sensor in the patient and recalibrates every 2 hours or sooner should patient or environmental conditions change
- Automatically evaluates and selects the best lead and trigger source
- Automatically sets optimal timing
- Automatically adjusts to changes in patient conditions without clinician intervention
- A Maquet fiber-optic IAB catheter
- Conventional fluid-filled IAB catheters

Soma Technology Inc. • 166 Highland Park Drive • Bloomfield, CT 06002 • USA
Phone: 1.800.GET.SOMA • www.SomaTechnology.com • Email: soma@somatechnology.com

Revised 6/28/2018

Specifications

Dimensions	**Size on Cart**: 43.1" H x 22.3" D x 16.8" W (109 cm H x 56.6 cm D x 42.7 cm W)
	Size off Cart: 26.9" H x 20.5" D x 10.8" W (68.3 cm H x 52.1 cm D x 27.4 cm W)
	Console Weight: 84.8 lbs. (38.4 Kg) nominal (includes S.D., CRM, and He tank)
	Monitor: 9.5 lbs. (4.3 Kg) nominal
	Hospital Cart Weight: 52.4 lbs. (23.8 Kg) nominal
	Internal Battery: 34 lbs. (15.4 Kg) nominal
	Storage Bag: 4.6 lbs. (2.1 Kg) nominal (includes doppler and doppler holder)
Color Display	**Color TFT Liquid Crystal Display** (LCD) 8.3"(21cm)W x 6.2"(15.8cm)H; up 45°, 10.4" diagonal (26.4 cm) down 55°, right 70°, left 70° viewing angle; Rotates 330°; Tilts 180°; Detachable; Laptop-like closure for storage and protection; Remote monitor mount (optional)
Trigger	**ECG Trigger**: Threshold dynamically adjusted by system for high sensitivity and selectivity of the R-wave detection; Minimum = 120µV ± 20µV at normal gain; 40µV at max. gain
	Pressure Trigger: Default trigger threshold is automatically adjusted to 38% of the systolic pulse height; 7 mm minimum
	Manual threshold mode: User adjustable between 7 and 30 mmHg ± 3 mmHg
	Pacer A Trigger: R-wave detection (as above) except pacer blanking is extended to 100 ms
	Pacer V/A-V Trigger: V Pacer: fixed at rate up to 185 bpm (no demand pacing)
	A-V Pacer: fixed at rate up to 125 bpm (no demand pacing) with A-V intervals between 80-224 ms
Power	**Mains Voltage**: 100-120 VAC ± 10% or 220-240 VAC ± 10%
	Mains Frequency: 50/60 Hz ± 3 Hz
	Internal Battery: 24 VDC (nominal), 17.2 Amp-hour, approx. 3 hrs. @ 90 bpm
	Battery Type: Maintenance free; Sealed lead-acid
Pressure	**Pressure Output**: (electrically isolated)
	Pressure Range: 0 to +300 mmHg (minimum)
Operating	**Op. Temp**.: 10°C - 40°C
	Op. Humidity: 5 - 95% (R.H.) non-condensing
	Op. Altitude: 0 - 12,000 feet (3,657 m); automatic altitude correction for IAB pressure
ECG	**ECG Leads**: In Auto Operation Mode: I, II, III, External In Semi-Auto Mode: I, II, III, AVR, AVL, AVF, V, External (12 lead compatibility)
	ECG Gain (default): 1 V output per 1 mV input ±5% (waveform automatically scaled to occupy ECG display window)
	Gain (variable): 0.15 to 3.0 cm/mV ±20% (autoscaling disabled)
	Frequency Response: 0.5-12 Hz (display); 0.5-135 Hz (Output to External Monitor)
	Defibrillator Protection: Discharge level ≤ 360 J (trace returns to screen in 5 sec max)
	ESIS: Automatic suppression with internal ECG amplifier

Soma Technology Inc. • 166 Highland Park Drive • Bloomfield, CT 06002 • USA
Phone: 1.800.GET.SOMA • www.SomaTechnology.com • Email: soma@somatechnology.com

Revised 6/28/2018