E-PP and E-PT Modules

For pressure and temperature measurements

Single-width E-PP and E-PT plug-in modules designed to measure either invasive blood pressures, or blood pressure and temperature in compliance with IEC 60601-1 3rd edition. Modules also have direct function key for easy pressure channel zeroing.

Clinical measurements

- E-PP: Two invasive blood pressure channels
- E-PT: Measuring one invasive pressure channel and two temperatures
- Cerebral perfusion pressure (CPP) calculated automatically from mean arterial pressure and ICP
- Easy insertion/removal of module without interrupting other monitoring

Features[1]

- Selectable labels for invasive blood pressure channels
- Adjustable pressure scales with 10 mmHg steps
- Overlapping invasive blood pressure waveforms mode
- Automatic flushing/blood sampling detection to eliminate unwanted pressure alarms
- Special PCWP measurement display view
- Respiration artifact rejection
- Adjustable invasive blood pressure filter

[1] For detailed compatibility information, please refer to the monitor specific User's Manual. Please note that commercial availability of the patient monitors differs regionally.

Technical specifications

Direct function keys

E-PT

Zero P3/P7[2]	Zeros invasive blood pressure P3/P7

E-PP

Zero P5	Zeros invasive blood pressure P5
Zero P6	Zeros invasive blood pressure P6

Invasive blood pressure

Measurement method	Invasive blood pressure is converted to an electrical signal by a pressure transducer. The signal is continuously displayed as a waveform and numeric value. The invasive pressure setup consisting of connecting tubing, pressure transducer, an intravenous bag of normal saline all connected together by stopcocks, is attached to the catheter. The pressure transducer is placed at the same level with the heart and electrically zeroed
Measurement accuracy	±4% or ± 4 mmHg

Waveform display[1]

Scales	adjustable in 10 mmHg increments

Numerical display[1]

Range	-30 to 320 mmHg
Resolution	1 mmHg
Alarms	Adjustable high and low alarm limits for systolic, diastolic and mean pressures, or off

Pulse rate

CARESCAPE™ modular monitors[1]	PR from ART and FEM
Measurement range	30 to 250 bpm
Resolution	1 bpm
Accuracy	±5% or ± 5 bpm
Transducer sensitivity	5 µV/V/mmHg
Pressure filter	0 to 22 Hz (-3 dB) adjustable upper limit 4 to 22 Hz

Temperature

Measurement method	The temperature is measured by a probe whose resistance varies when the temperature changes
Measurement range	10 to 45°C (50 to 113°F)
Measurement accuracy with sensors	Reusable: ±0.2°C / ±0.4°F Single use: ±0.3°C / ±0.5°F
Numerical display[1]	2 temperatures differential (T3, T4)
Temperature units	°C or °F
Display resolution	±0.1°C (±0.2°F)
Probes	Use only GE Healthcare recommended temperature probes

Monitor compatibility

CARESCAPE modular monitors.[1]

For P3, please refer to the S/5 monitor specific User's Manual.

Environmental specifications

Operating conditions

Temperature	10 to 40°C (50 to 104°F)
Relative humidity	10 to 90% non-condensing

Storage conditions

Temperature	-25 to 60°C (-13 to 140°F)
Relative humidity	10 to 90% non-condensing

Physical specifications

Dimensions (H x W x D)

E-PP, E-PT	11.2 x 3.7 x 18.7 cm (4.4 x 1.5 x 7.4 in)

Weight

E-PP, E-PT	0.3 kg (0.66 lb)

[1] For detailed compatibility information, please refer to the monitor specific User's Manual. Please note that commercial availability of the patient monitors differs regionally.

[2] With CARESCAPE monitors only P7 pressure channel can be used.

Imagination at work

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