

# RAPTOR HV

Raptor HV connected to a Raptor Master unit powered by 240 Vac, 50 Hz.

## HIGH VOLTAGE POWER OUTPUT (@240Vac, 50Hz)

| Output AC voltage       | Max output AC current   | Duty cycle |
|-------------------------|---|------------|
| 0..2 KV                 | 1 A   | Continuous |
| 0..2 KV                 | 2 A   | 3 min      |
| 0..2 KV                 | 2.5 A   | 2 min      |
| 0..1KV                  | 2 A   | Continuous |
| 0..1KV                  | 4 A   | 3 min      |
| 0..1KV                  | 5 A   | 2 min      |
| Open circuit resolution | 1 Vac   |            |
| Output frequency        | 20-400 Hz (Power reduction applied when outside the 50-60 Hz range) |            |

## MEASUREMENT (INTERNAL) @(10..100)% of the range / 50-60Hz

### Secondary current (internal)

|                      |                                       |
|----------------------|---------------------------------------|
| Ranges               | 0.08 / 0.8 / 8 Aac                    |
| Resolution           | 0.04 / 0.4 / 4 mAac                   |
| Frequency range      | 20 - 400 Hz                           |
| Level accuracy       | 0.1% of the value + 0.1% of the range |
| Phase angle accuracy | +/-0.25°                              |

### Secondary voltage (internal)

|                      |                                       |
|----------------------|---------------------------------------|
| Ranges               | 1000 / 2000 Vac                       |
| Resolution           | 1 Vac                                 |
| Frequency range      | 20 - 400 Hz                           |
| Level accuracy       | 0.1% of the value + 0.1% of the range |
| Phase angle accuracy | +/-0.25°                              |

## EXPANSION PORT (cable length: 1 m)

|                                |                                     |
|--------------------------------|-------------------------------------|
| Power Input from the amplifier | 160 Vac @ 16 A continuous - 32 A 3' |
| RS-485 communications link     | Integrated in the expansion port    |
| Bus supply                     | +5 V                                |
| Phase Synchronism              | Yes                                 |
| Main supply                    | 230 Vac@1A                          |

## GENERAL

|                |   |
|----------------|---|
| Power supply   | from the Raptor MS's Expansion Port   |
| Weight         | 28 Kg / 61.6 lbs  |
| Protections    | Overheating, Power supply failure, Communications failure   |
| Safety         | Integrated high intensity buzzer, External Warning Lamp connector, Mushroom type emergency stop connector |
| Transportation | Integrated wheels, fixed and adjustable handle  |
| Ventilation    | Forced  |