



SEACON Electrical Power Generator Tool (EPGT)

ADVANCED TECHNOLOGY

- Hydraulic power is supplied from the auxiliary hydraulic power output from ROV Hydraulic Power Unit
- Custom configurations for specific customer requirements
- Tested for 3,000m water depth

STANDALONE SOLUTION

- Housekeeping data reading through supplied graphical user interface (GUI)
- Delivered as a standalone system
- Factory Acceptance Testing (FAT) prior to delivery
- The system is based on field proven features

TE Connectivity (TE)'s SEACON Electrical Power Generator Tool (EPGT) is designed to supply electric power for standalone electrical systems, by utilizing hydraulic power from a ROV or similar. The SEACON EPGT is applicable for systems where power from the subsea main electrical distribution is not acceptable or available.

GENERAL SPECIFICATIONS

- **Design Life:** Up to 30 Years
- **Dimensions (L x W x H):** 710mm x 460mm x 400mm
- **Weight in air:** <100kg
- **Weight in water:** <45kg
- **Operational Depth (Max):** 3,000m
- **Operational Temperature:** -4°C to 55°C
- **Storage Temperature:** -18°C to +50°C
- **Shell Material:** Aluminium, EN AW-6082-T6, UNS A96082
- **Seal Material:** NBR & HNBR 70 shore
- **Various connector interfaces available upon request**

SEACON Electrical Power Generator Tool

QUALIFICATION & VERIFICATION TESTING

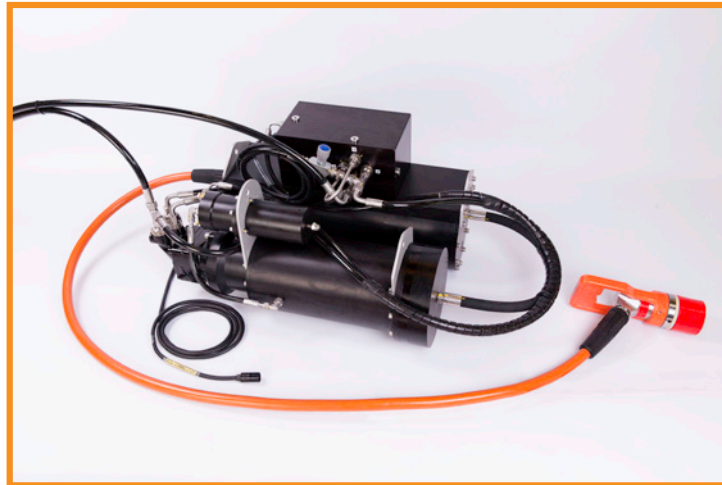
- **Hyperbaric pressure testing:** Up to 330 bar
- **Helium Leak Rate:** <0,05 bar/2 hours
- **Temperature Rise Tested**
- **Engineering verification tested to full capacity for 24 hours**

ELECTRICAL PERFORMANCE

- **Maximum power:** 10 kW
- **Minimum power:** 500 W
- **24 hours continuous power:** 10 kW
- **Nominal operation power:** 6 kW
- **Output Voltage:** 250 VDC - 650 VDC
- **System power monitoring via RS 232**

HYDRAULIC PERFORMANCE

- **Hydraulic pressure:** 2500psi
- **Hydraulic 3/8" hose nominal working pressure:** 3988psi
- **Hydraulic hose minimum bend radius:** 75mm
- **Minimum flowrate available:** 50 l/min
- **Maximum flowrate available:** 130 l/min
- **Hydraulic connection:** JIC-6 with JIC-12 adapter
- **Hydraulic fluid:** Shell Tellus S2 V 32
- **Power monitoring communication:** RS-232 or/and Ethernet



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Consult TE for the latest dimensions and design specifications.

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