

# Radars Cooling Liquid Pump Test Rig For EF2000

## >RCT1<



Computer-controlled testing of  
Pressure  
Temperature  
Flow  
Leakage  
Current  
Voltage  
Frequency  
Insulation  
for Coolant Liquid Reservoir and Liquid Cooling  
Pump

- > Gear pumps deliver pressure-, flow- and temperature-controlled test medium
- > UPS for protection of the computer system in case of power failure
- > UUT and calibration connections in the test chamber
- > Possibility of remote maintenance via modem
- > Ergonomic design of the control desk
- > Test outlets are fitted with self-locking quick-disconnect couplings

## TECHNICAL DATA

> **Hydraulic parameter:**

Pump circuit:	20lpm, max. 12bar
Leakage measuring circuit:	5l and 10ccm, max. 10bar
Flow measuring circuit	max. 30lpm
Return circuit:	max. 28l
Flushing circuit:	15lpm, 0.9bar
Cooling:	Cooling unit max. 4kW

> **Measurement range:**

Temperature measurement:	0-100°C, Cl. 0.5
Pressure measurement, hydraulic :	0-16bar, Cl. 0.25
Pressure measurement, N2:	0-10bar, Cl. 0.25
Frequency measurement:	0-600Hz, Cl. 0.25
DC current measurement:	0-10ADC, Cl. 0.5 / Cl. 0.75
DC voltage measurement:	0-250VDC, Cl. 0.75
Flow measurement:	0-10ADC, Cl. 0.5 / Cl. 0.75
Leakage test:	0,788-0,88g/ccm Toleranz ±0,3%
Resistance measurement:	0-1.0000hm Cl. 0.1

> **Dimensions and weight:**

Width:	3,834mm (151.0in)
Height:	2,400mm (94.5in)
Depth:	1,850mm (72.8in)
Weight:	approx. 2,450kg (5401.3lb)

> **Electric supply (requirements):**

Mains supply:	2/N/PE AC 50Hz 400V
Connected load:	approx. 18kVA 54A

> **Pneumatic supply (requirements):**

Compressed air supply:	min. 8bar, max. 16bar
Pressure supply:	min. 20bar, max. 210bar