

## AVR FOR SYNCHRONOUS GENERATOR AND MOTOR BASLER Digital Excitation Control System

### **DECS-2100**

#### **Excitation up to 10,000Adc.**

Regulation modes: AVR, FCR, FVR, VAR, PF.  
Limiters: UEL, OEL, SCL, MEL, VARL, UF, SOFT START.  
Protection: Terminal voltage / Frequency, Field, Power...  
Multi-Bridge paralleling configurations up to 10,000 Adc.  
Programmable inputs, outputs and logic.  
Real time metering explorer, step analysis and auto PID tuning for easier commissioning.  
Redundant Controllers with a 3rd Supervisory Channel.  
Crowbar & Fast discharge  
Draw out Bridge Design for On-line Maintenance.



### **DECS-400**

#### **Excitation up to 2,500Adc.**

Regulation modes: AVR, FCR, FVR, VAR, PF.  
Limiters: UEL, OEL, SCL, UF, SOFT START.  
Protection: Terminal voltage / Frequency, Field, Power, EDM...  
Options: PSS, external tracking for dual channel...  
10 customised DI, 6 customised DO and programmable logic.  
Log recorder for fault analysis.  
Real time metering explorer and step analysis for easier commissioning.  
Crowbar & Fast discharge



### **DECS-250**

#### **Excitation up to 15Adc.**

PID Auto-tuning, Self-tuning  
Regulation modes: AVR, FCR, FVR, VAR, PF.  
Limiters: UEL, OEL, SCL, VARL, UF, SOFT START.  
Protection: Terminal voltage / Frequency, Field, Power, EDM...  
Options: PSS, Synchroniser, external tracking for dual channel...  
14 customised DI, 11 customised DO and programmable logic.  
Real time metering explorer, step analysis and auto PID tuning for easier commissioning.  
Log recorder for fault analysis.



#### **Accessories:**

External module CEM (+10 DI and +24 DO).  
External module AEM (+8 AI, +4 AO and +2 Thermocouple inputs).  
ICRM-15, bracket for installation on a front door.

#### **Note:**

The DECS250 can be supplied on a custom designed mounting plate or in small cabinet .

### **DECS-100**

#### **Excitation up to 7Adc.**

AVR, FCR, VAR, PF regulation mode available.  
UEL, OEL, UF, SOFT START.  
Under Excitation Limiter and Over Excitation Limiter.  
Protection for generator overvoltage, field over-voltage and Loss Of Sensing.  
Step response for PID tuning.

#### **Accessories:**

ICRM-7, bracket for installation

