



*Challenge Electronics*



MICROPROCESSED CONTROL UNIT **DSC5**  
FOR WOOD DRYING KILNS

- Conventional kilns
- Dehumidifying kilns
- Heating Treatment

### Technical characteristics:

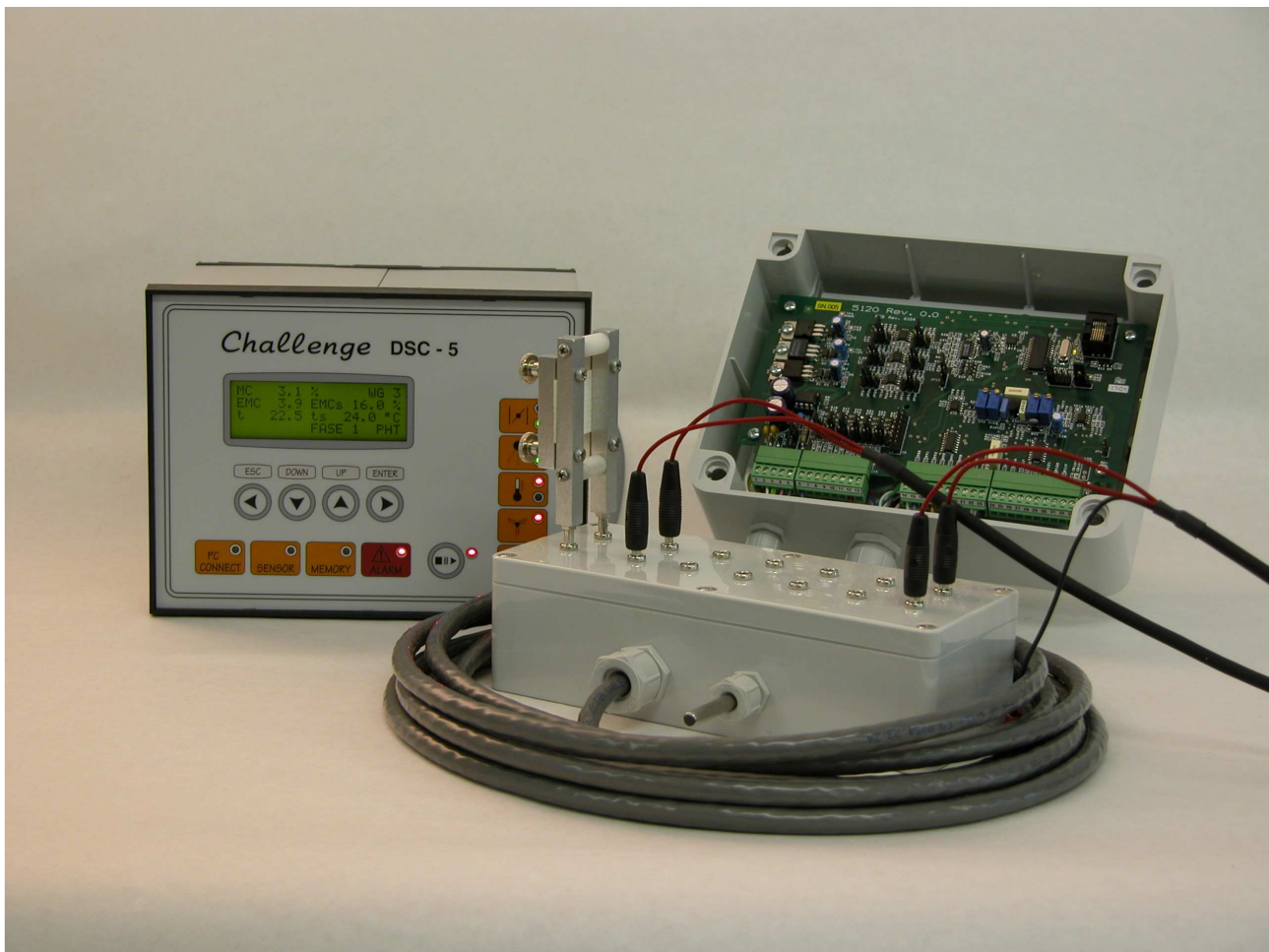
- 21 "default" programs (EMC), 10 "User" programs (2 x EMC, 4 x RH, 4 x Psychrometric).
- Basic configuration: scheduled for 6 Phases program and air humidity sensing system (EMC only).
- on application: configured to operate by 20 Phases program, with management of the drying cycle by means of air humidity sensing system EMC, or RH, or Psychrometric.
- on application: configured to manage thermal treatment HT (FAO ISPM 15)

### Computer control by PC (optional):

- multilanguage software (and relevant interface converter RS232-RS485)
- possibility to make a network connection of several units (up to 32) to perform a centralized management by means of Personal Computer.
- displaying (and print on request)) of all the informations concerning the drying cycle.
- HELP ON LINE, supplying at any time detailed informations about the procedure in progress.

### Technical specifications:

Drying programs	21 stored, 10 user (free)
Wood moisture content probes	up to 12: MC1...MC12 - Wood Group: 4 WG1...WG4
Equilibrium moisture content probes	up to 2: EMC1 - EMC2
Air temperature probes	2 : t1 - t2
Wood temperature probes	up to 8: 4 standard + 4 optional
Unit dimensions	Height 144 mm Width 192 mm Depth 160 mm
Feeding voltage	24VAC +10%/-20% 50-60 Hz
Power max. consumption	25W
Relays standard output ON-OFF	drying (dampers-compressor), spraying, heating, ventilation, ventilation reversal
Relays optional output ON-OFF or PROPORTIONAL	drying, spraying, steaming, heating, start cycle, alarms



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