



**S.C. IPA S.A.**  
Sucursala CIFATT Craiova



Societate comerciala pentru cercetare, proiectare si productie de echipamente si instalatii de automatizare

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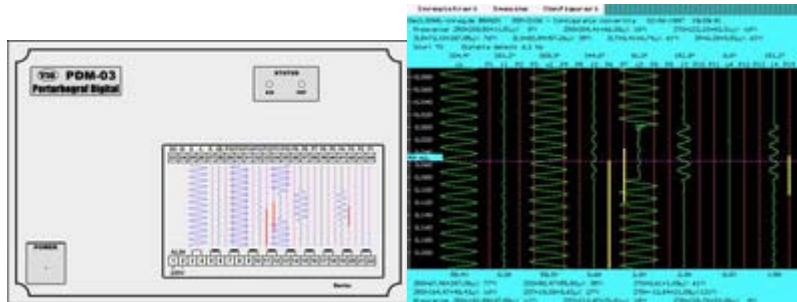
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## DIGITAL ERROR RECORDER

- P D M -

The equipment of PDM series are digital modules for acquisition of analog values (currents, voltage, etc.) and binary (contacts, voltage levels, etc.), which allow a temporary storage of acquired information and its transfer to a compatible processing equipment IBM-PC/AT, to store and process them later. (postdamage analyse, monitoring).

The equipment are delivered with a program pack which allows the processing of the acquired information, supervising of the measured values, analysis and elaboration of documents concerning to counted data.



### Technical features:

Main technical features of the equipments PDM are the follows:

- Supply: 220 V c.a.  $\pm 15\%$ ;
- $P_m = 25$  W;
- Analog inputs: 16 bits (currents or voltage) configurable by request; 80 - 300 Vdc, 5 A, 150 V.
- Digital inputs: 32 (contacts or voltage levels); 24/48V.
- Sampler frequency of the inputs: 1000 Hz; 16 bits processing;
- Event synchronizing input of more PDM equipments
- Event synchronizing output of more PDM equipments (optional);
- Acquisition tact synchronizing circuit for more equipments of same type (optional);
- Registration starting takes place in the following conditions:
  - Transition of the one of registred values (programable);
  - Overtaking of the programmed limits of the analog inputs (programmable);

- another PDM equipment;
- from hierarchical superior equipment (computer IBM-PC/AT) by serial connecting;
- manually by operator;
- registration time:
  - maximal registration time: 21.5 sec;
  - predamage, damage and postdamage time(programable);
- internal real-time clock;
- autotesting of good running and signaling of the damage (local);
- contact of remote signaling concerning to the state of equipment;
- communication cable available for remote communication with a PDM-CD equipment or computer IBM-PC/AT;
- ON LINE running and possibility to configure more PDM equipments in a distributed system of supervising and registration:
  - Maxim weight 2,5 kg;
  - Mecanic assembly makes in the electric pannels, using four(4) screws closely by area where there are values which must be measured (registered).



## References:

- Transelectrica Craiova subsidiary (42 buc), Bacau (42 buc), Targu Jiu (4 buc), Pitesti (6 buc);
- Electrica Mehedinti subsidiary (7 buc), Bistrita (3 buc), Craiova (6 buc);
- Termoelectrica Electrocentrale Craiova subsidiary(16 buc);
- Hidroelectrica Hidro-Power Plant Targu Jiu Subsidiary (4 buc), Hateg (22 buc), Cluj (7 buc), Oradea (3 buc);
- Factory "Antibiotics" Iasi (2 buc).

*The equipments are manufactured in partnership with SC VIG IMPEX SRL Craiova*