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System Certified by DNV
ISO 9001/2000

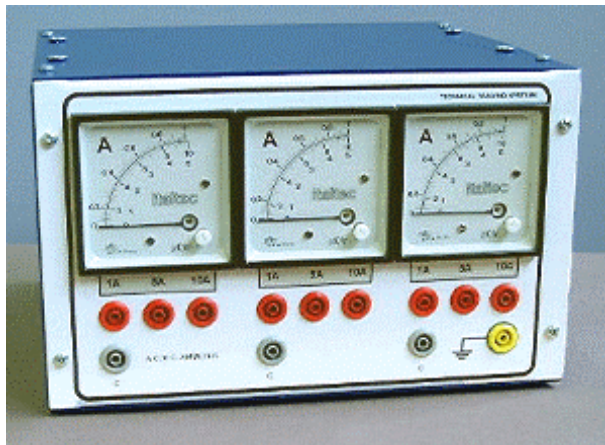
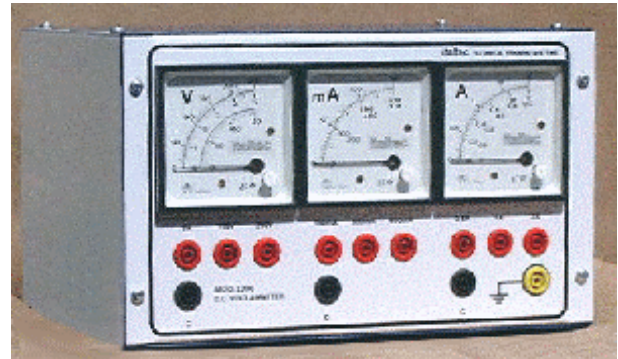
E.M.M.S. 0,3 KW MEASURE MODULES

MOD.3200

DC Volt-Ammeter Module

This module includes three separate multi range meters for d.c. and a.c. voltage measurements according to the range:

- DC voltmeter: 50-150-250V;
- DC milliammeter 150/300/600mA)
- DC ammeter: 0,5-1-2A;
- Accuracy: 2%;
- Dimensions: LxWxH: 25x27x15cm
- Weight: 4kg.



MOD.3202

AC Ammeter Module

This module includes three separate multi range ammeters for a.c. measurement in the range:

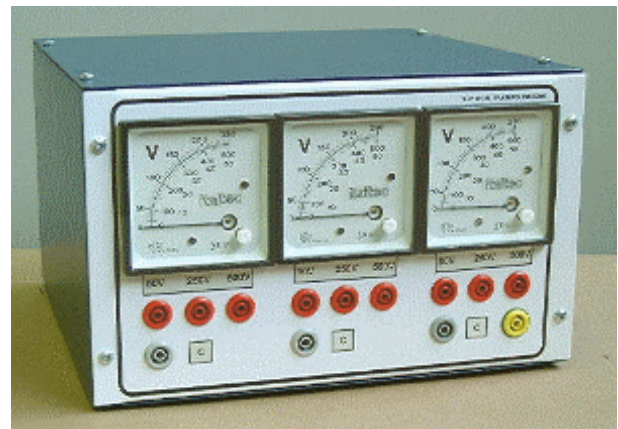
- 100mA; 0,1A; 2A;
- Accuracy: 2%
- Dimensions: LxWxH: 25x27x15cm
- Weight: 4kg.

MOD.3204

AC Voltmeter Module

This module includes three separate multi range a.c. voltmeter for measurements in the range:

- 50-250-500V;
- Accuracy: 2%;
- Dimensions: LxWxH: 25x27x15cm
- Weight: 4kg.



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MOD.3205 Reactive Power Meter

This module includes one reactive power meter for measurements in the range: 0-380VAR.

- Range: voltage: 380V;
- Current 1A
- Accuracy: 1,5%;
- Dim: LxWxH: 25x24x15cm
- Weight: 2kg;



MOD.3206 Single Phase Power Module

This module includes one power meter for measurements in d.c. or a.c. single phase circuits from 0 to 500W

- Power range: 0-500W;
- Characteristics: Max Voltage: 50-250-500V;
- Max current: 0,5 - 1A;
- Accuracy: 2%;
- Dimensions: LxWxH: 25x27x15cm
- Weight: 4kg.

MOD.3207 Power Factor Meter Module

- Voltage: 380V;
- Current: 2A;
- Dimensions: LxWxH: 25x27x15cm
- Weight: 4kg.



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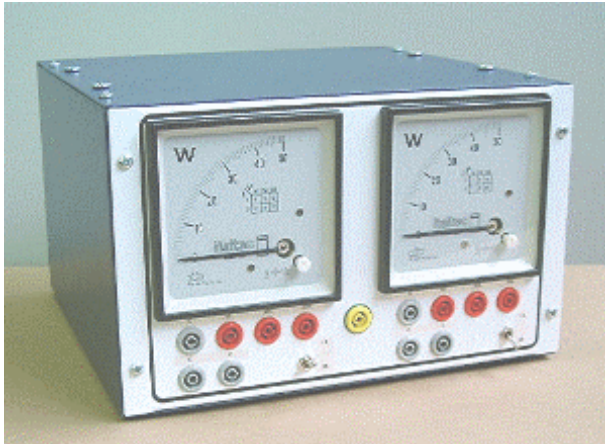
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MOD.3208 Three Phase/single Phase Power Module

This module includes two separate power meters for 3-phase power measurements in the range 0-500W.

Meters can be independently used to measure the dc or single-phase ac power. Characteristics of both meters:

- Max Voltage: 50-250-500V a.c or d.c.;
- Max current: 0,5-1A f.s.;
- Accuracy: 2%
- Dimensions: LxWxH: 25x27x15cm
- Weight: 4kg.

MOD.3209 Three Phase Power Analyser

Dimensions: 25x12x30cm / Weight: 4kg

Power supply: 115-230-400V AC

45 ÷ 400Hz

Inputs: 3 for voltage up to 600V AC (2000V per 1min.)

3 for current up to 5A AC (10A per 1 min.)
1 for NEUTRAL line

Readings:

- Volt L-L for each phase, Volt L-N for each phase, 10.000V
- Ampere for phase, 10.000 A
- Active power, Reactive power, Apparent power,
- Active energy total resolution 0,1kWh max 9999999,9 kWh
- Reactive Energy total resolution 0,1kVArh max 9999999,9 kVArh
- Frequency up to 400Hz
- Power factor PF cos. E up to +/- 1.00

Possible simultaneous readings:

- V-A x 3 phases + kVA or Hz or PF or kVar
- kWh + V-A x 2 phases + kVA or Hz or PF or kVar
- kWh + kVarh + V-A + kVA or Hz or PF or kVar

It is possible to select different readings on the displays

RS232: Serial communication optoisolated
+1 set point relay or pulse for remote energy (PC software included)



RS422/485: Serial communication optoisolated + 1 set point relay or pulse for remote energy (PC software included)
2 relay: 1 set point relay & 1 energy remote relay or 2 energy remote relay
1kWh and 1 kVArh

Inputs ratio: Selectable from programming 1 ÷ 100 for VT (voltmetric transformer), 1 ÷ 4000 for CT (current transformer)

Programming: By 3 frontal switches for the primary secondary ratio both for CT (Current inputs) than for VT (voltage inputs). Besides switches are used for programming relays, and for conversion for alternating reading to kWh and kVArh, and also for scanning of readings on the 7th display, for each reading its measure bright on the panel of the instrument.

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MOD.3210

Electric Tachogenerator

This tachogenerator can be used for speed measurements up to 5,000 rpm on continuous operation or 10,000 rpm on intermittent operation.

It is complete with high-impedance meter with directly rpm reading;

Output:

- 60V for 1000rpm into a 1Mohm;
- Voltage/speed linearity error \ll than 1% up to 5.000 rpm
- Dimensions: LxWxH: 25x27x15cm
- Weight: 4kg.



MOD.3211

Frequency Meter Module

- Range: 40-100Hz
- Voltage 0-500V c.a.
- Dimensions: LxWxH: 25x27x15cm
- Weight: 4kg.

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