GAZ4

ALGE
TIMING

In the Focus of the Event

ALGE Display Board GAZ4

Figure height 150 mm, 250 mm, 450 mm

- You want to display figures clear and widely visible?
- You want to use the display board for outdoor use (all weather conditions)?
- For example numerical data as time, speed, width, height, marks, points, weight, price, winning numbers, rates of prices, and so on.
- ALGE display boards have well stood their test in large numbers of pieces and under roughest conditions

The new generation GAZ4 has the following outstanding features:

- Direct hook up to ALGE timing units by a two lead data wire or radio

- Manual input from the „Handy Terminal" ALGE COMET (e.g. points, ratings)

- Counter together with ALGE COMET (e.g. for turnstile)

- All purpose application by connecting a RS 232 data output (e.g. from a PC or an electronic scale)

- Operation is possible when charging the display board

- Switch for three different display-configurations in timing:
  number / rank, minutes - seconds - 1/100 seconds, hours - minutes - seconds

- Switch to adjust address or special function

- Two or more display boards can be lined up in a row (e.g. one display board for timing and another for number and ranking)

- Up to ten lines can be stacked for a huge ranking display board

- An integrated electronic clock makes it possible to use the display board as a day time clock or as a stop watch (input of time respectively start-stop signal and reset signal with a hand switch)

- Backwards running clock (countdown) to display the time of play (input of time to play and time-out by hand switch)

- Optimal legibility even in direct sunlight

- Long life because of the usage of bistabile seven-segment displays in strong aluminium-frame with Plexiglas plane

- Best running safety because of CMOS technology and quality by ALGE TIMING

- Low power consumption because energy is only needed at the moment of switching

- Three different ways to supply the display board:

  o   from a 12 V car battery

  o   from the mains (PS4 or PP4)

  o   from internal rechargeable batteries (PP4)

- Operation without an external power supply is possible because of built in powerpack (NiCad rechargeable batteries and net-charging-unit)
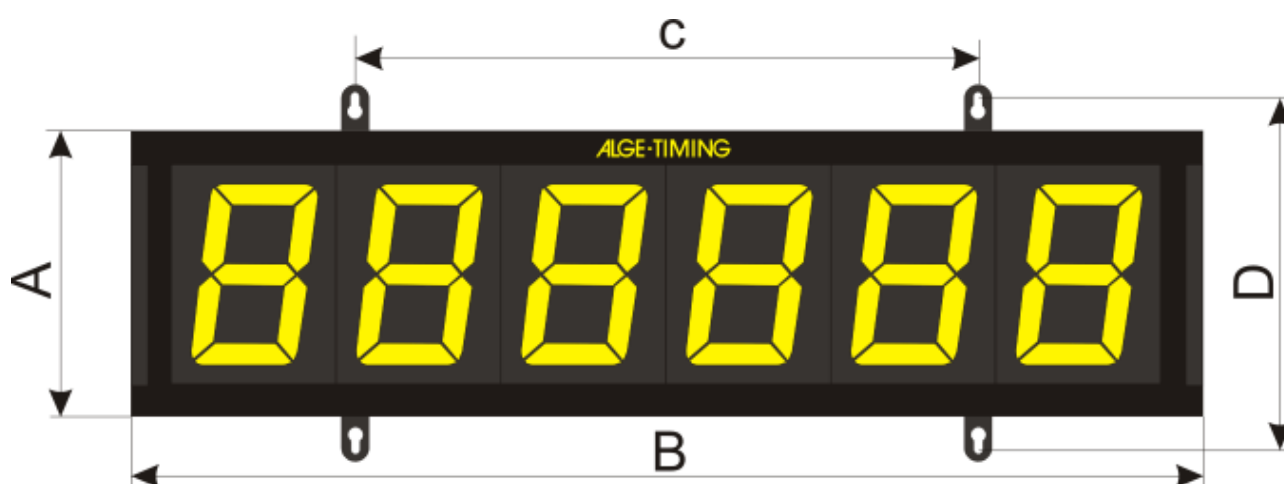
e.g. Ranking Score Board for Swimming or Athletic

e.g. Tennis Score Board

Technical Information and facts:

- Electronic system: most modern µP-Technology in CMOS-technique and watch-dog
- Display elements: bistable seven-segment-display, yellow on black ground (little power consumption, best legibility, best running safety)
- Casing: Aluminium case, plastic-covered (black) with pane of Plexiglas for outdoor usage
- Interface: signal compatible to RS 232 (RS 485 is prepared)
- Time basis: quartz oscillator 9.216 MHz
- Operative timing range: -25 to +50°C (-13 to +122 K)
- Power supply:
  - Direct supply: 11 to 20 VDC / 2.5 A
  - Power supply PS4: Net device with connection to mains, built into GAZ4
    230 V / 50 Hz (or 115 V / 60 Hz)
  - Powerpack PP4: Net-charging-device built into GAZ4, external connection to mains,
    or internal rechargeable NiCad batteries.
    external 230 V / 50 Hz (or 115 V / 60 Hz)
    Charging time for NiCad: 14 hours

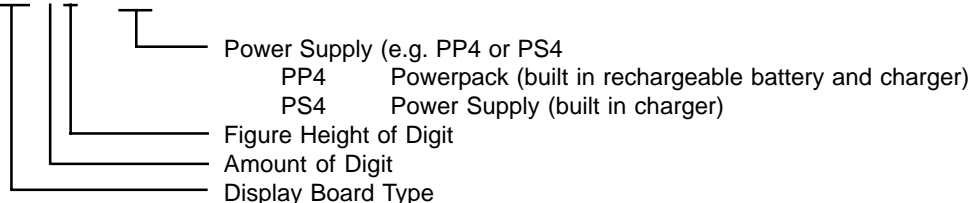| Standard Typ	Weight (kg)	(mm)					Reading Distance in Meter *	Operation Time in Hours **
		A	B	C	D	Depth		
GAZ4 515	12	290	956	556	352	100	75	60
GAZ4 615	13	290	956	556	352	100	75	60
GAZ4 525	21	393	1493	1093	455	100	125	20
GAZ4 625	22	393	1493	1093	455	100	125	20
GAZ4 545	45	664	2490	2090	726	120	225	11
GAZ4 645	48	664	2490	2090	726	120	225	11

Standard configurations - other configurations on request
* reading distance by DIN 1450
** Operation Time: in clock mode with running second (Powerpack PP4 fully charged at 20°C)

Order Excample:
  GAZ4 645 + PP4

- Power Supply (e.g. PP4 or PS4
    PP4   Powerpack (built in rechargeable battery and charger)
    PS4   Power Supply (built in charger)
- Figure Height of Digit
- Amount of Digit
- Display Board Type