



An ISO 9001:2000 Certified Company

Nippon Technologies



TEL : 2872 7294

6574 1527

FAX : 2876 5709

Mfgs. & Designers : **Instruments, SCADA & Automation Systems, Sensors**

106, Shivsagar Indl. Estate, Opp. Kotkar Indl. Estate,
Kotkar Road, Goregaon (E), Mumbai - 400 063. India.

E-mail : nippontech@vsnl.com / nippon@bom2.vsnl.net.in

Website : www.nipponinstruments.com

Nippon's DUAL CHANNEL BARGRAPH INDICATORS

Bargraph Display

Dual Channel

RS232 / RS485

4-20mA Retransmission

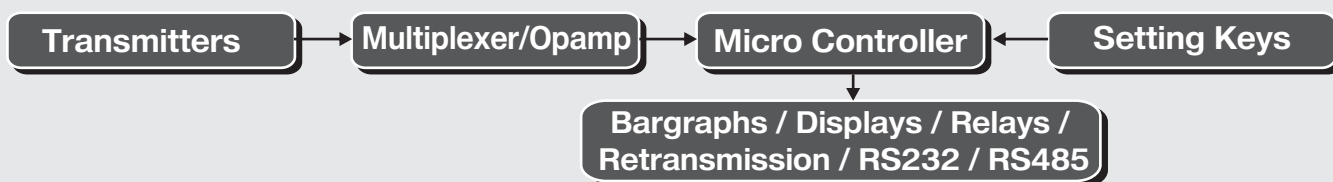


BAR2000 series a hightech range is giant step in measurement technology. BAR2000 has 2 channel BARGRAPH displays. The instrument finds application in measurement of LEVEL, FLOW, VOLUME, WEIGHT, TEMPERATURE, HUMIDITY, % SPEED and any other process parameters. The continuous comparison of two process parameters is now easy for INSTRUMENTATION DEPARTMENT.

SPECIFICATIONS

| | |
|---------------------------------|---|
| No. of Channels | : TWO (2) |
| Input | : From 2-wire transmitters (4 to 20 mA), 24 VDC available |
| Bargraph | : 2 Bargraphs, Each bargraph has 20 L.E.D.'s, Each L.E.D. represents 5 % of process value , Thus one BARGRAPH shows 0-100 % of process value |
| Bargraph L.E.D.'S | : Green pleasant easy to read colour , each L.E.D. is 2.5 mm Height * 5 mm Width , Easy to visualize process from longer distance. |
| Range | : User selectable measuring ranges Programmable from - 1999 to + 1999, with decimal point freely configurable from most to least significant digit |
| Numeric Display | : Bright seven segment, Four digits for each channel , GREEN colour |
| Numeric display accuracy | : ± Least count (i.e. 1 or 0.1) |
| Setting | : Easy setting of measurement ranges & limits by Feather - touch, elegant, long life & user friendly membrane key pads |
| Limits | : One limit for each channel |
| Controls | : On - Off, Time Proportional, PI control action |
| Dead Band | : Programmable |
| Logic | : Heater or Alarm Programmable |
| Output | : 2 Relays corresponding to each limit rated 230 V / 6 Amp. |
| Retransmission O/P | : Available for any one channel, User programmable 0-20 / 4-20 mA ISOLATED o/p |
| Computer Interface | : RS232 or RS485 available |
| Password | : Lock facility to avoid tampering |
| Design | : Modular, Sturdy & Wireless design |
| Noise Immunity | : EMI/RFI interference is suppressed by MOV's & R-L-C filters |
| Supply | : 90 - 260 VAC, 50 Hz |
| Ambient Conditions | : Temp. 55°C & Relative humidity 99% |
| Box | : 1. Height - 96mm; Width - 96mm; Depth- 150mm; DIN size 2. Dummy plates readily available fo cut out of Height - 192mm ; Width -96 mm 3. Vertical model Height -192mm ;Width -96 mm with 40 L.E.D.'s for each BARGRAPH in pipeline |
| Notes | : 1. Contact factory for 3 channel BARGRAPH DISPLAY |

DUAL CHANNEL BARGRAPH INDICATORS



WALL MOUNTING SCANNERS



Wall mounting INSTRUMENTATION is must for many applications. Wall mounted instruments adds **convenience** and **elegance** to measurement of process parameters. The instrument displayed is wall mounted **scanner**. The design is trendsetter in LABORATORIES , CLEAN ROOMS , R & D CENTRES, PROCESS PLANTS, BULK DRUGS, PHARMA, PACKAGING and many other applications. The concept avoids hazels of panel building. The ready to fit design saves installation time.

SPECIFICATIONS

- Enclosure** : U30 series, 5U size rack , 150 mm depth , Modular Design , Reverse mounting type , Cable mounting bracket with ACRYLIC safety guard cum door
- Material of Construction** : Aluminium Extrusion profiles and plates , S.S. construction on request
- Cable Termination** : On PHOENIX make DIKD, 1.5 sq.mm , Heavy Duty , DINRAIL terminals
- Surface Finish** : Powder coated
- INSTRUMENTS** : Refer to specifications of SCANNERS , UNIVERSAL PROCESS INDICATOR CONTROLLERS , HUMIDITY INDICATOR CONTROLLERS , BARGRAPH INDICATORS , WEIGHT CONTROLLERS entire range of *Nippon* make products

nippon's SALES OFFICES

Surat : Road No. 6, Udhna.
Surat , Gujarat.
Tel : (0261) 2278422 / 6544180
Fax : (0261) 2279423
E-mail : darsh20@satyam.net.in
Pune : (9520)24376245

Bardoli : 09824111394
Kolkata : 09831057357 / 9831152530
Hyderabad : (040)27173714 / 24
Goa : (0832)2312710 / 6702 / 7399
Allahabad : (0532)2613746
Bangalore : 09341875222

Durg : (0788)2211212 / 3105117 / 9827111400
Delhi : (011)26903568 / 26340095 / 96 / 97
Gwalior : (0751)2231951 Fax : 0751-2344889
Chennai : 9382744155 Telefax.: 044-22292383
Jamshedpur : (0657)2420672 Fax : 0657-2433977
Visakhapatnam : (0891)2702415 / 9441944947