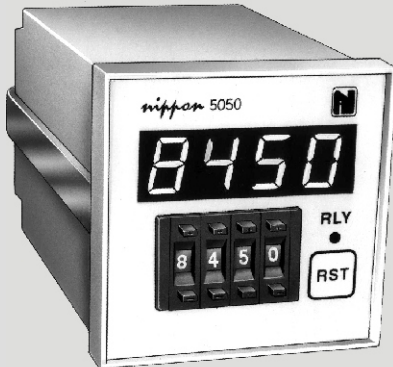


nippon's **DIGITAL PRESETTABLE COUNTER**

FEATURES



nippon 5050-B, 5050 & 5050-6 are unique digital Presettable Counters with and without memory having wide applications in textile Industries for meter counting, Pharmaceutical - chemical - Food Industries for event counting, packing machineries, machine tool engineering for stroke counting and many other areas where accurate counting is involved.

- Cent Percent accuracy.
- Modular design in DIN size box.
- Accepting wide range of inputs.
- Bright Display.
- Memory in case of Power failure.



WORKING

Instrument accepts signals from Photo Sensors, Proximity Switches, Limit Switches, Contact closures, Encoders, Voltage Pulses etc.... Instrument can work upto 2 KHZ.. of switching frequency.

The Incoming signal is filtered, conditioned, wave shaped with help of filters and choppers. The signal is fed to Synchronous counter I.C. which drives seven segment display. At the same time signal is compared with set value. At the set point relay change over takes place. The Relay can be operated in Delayed On, Delayed Off, Auto Reset modes as per the application.

SPECIFICATIONS

RANGE	: 0-99, 999, 9999, 99 99 99 Counts.
INPUTS	: Limit Switches, Proximity Switches, Photo Sensors, Encoder, Voltage Pulses, Contact Closures....etc...
MAXIMUM FREQUENCY	: Upto 2 KHZ.
COUNTING ACCURACY	: Cent - Percent.
DISPLAY	: 3, 4 or 6 digit bright Seven Segment display.
LIMIT SETTING	: By Thumbwheel Switches.
LOGIC	: Delayed On, Delayed Off, Auto reset, Auto reset with timer.
MODE	: Count Up. (Count Down on request)
OUTPUT	: Relay (O.E.N.) Changeover rated at 230 V/6A.
SUPPLY	: 230 VAC \pm 10 %, 50 Hz.
BOX	: 96 (H) X 96 (W) X 180 (D), mm DIN size box with modular system. Also available in 72 (H) X 72 (W) X 110 (D) mm

NOTE

A) Higher Ranges Available. B) 110 VAC, 24 AC.... etc. Supply Voltages on request.

nippon **5052 - 2 STAGE PRESETTABLE COUNTER**

FEATURES



nippon 5052 : 2 STAGE PRESETTABLE COUNTER. The instrument accepts Proximity Switch, Voltage Pulse, Encoder etc. The counter is immune to industrial noise. It has modular, Sturdy and accurate design. It finds application in Counting Length, Events.... etc. It has 2 set points & 2 relay o/p's
nippon 5052 instrument is sized in 72 mm (H) x 144 mm (W) DIN size Box.

nippon 5053 : 3 STAGE COUNTER WITH TIMER



FEATURES

nippon introducing 3 Stage Counter with Timer, called nippon 5053. It has 3 independent set points and timer. It accepts inputs from Proximity Switch, Encoder and photo sensors... etc. The instrument finds application in Winding, Unwinding & Special Purpose Machines. Instrument has 3 months memory.

nippon 5053 instrument is sized in 72 mm (H) x 144mm (W) DIN size box

nippon's AUGER COUNTER

FEATURES

- Accurate and Ruggedly built for Production Use.
- Exclusive Digital Processing through CMOS IC's.
- Accepts Wide Range of Inputs like Photo Sensors, Proximity Switches, Limit Switches.... etc.
- Both Auto/Manual mode user selectable.
- Counting Speed Upto 1000 Pulses Per Second.
- 3-digit Thumbwheel setting for 'CLUTCH ON'
- 0-10 Seconds Timer for 'BRAKE ON' 3 digit bright easy to read LED display
- Quick response Transistorised Output of 24 V/1.5 Amp. suitable for Clutch/ Brake.
- Modular Design in 192(H) x 96(W) in mm Din Size Mettalic Box.
- Also available **AUGER TIMERS**



DESIGN FEATURES

nippon's AUGER COUNTER is an Exclusive, Electronic Controller for AUGER FILLERS giving precise and fast powder filling. Excellent circuitry, elegant and tiny model is designed to give better performance on "AUGER FILLERS".

In 'AUTO MODE' Clutch and Brake will be on one after another as per the set parameters. 'Clutch On' Counts to be set on 3-digit Thumbwheel switch. 3-digit display will display the actual counts. Clutch remains on till the actual counts are less than Set Counts. At set value brake will get on and will be on for the Brake time. Brake time is to be adjusted by front panel potentiometer. Overshoot counts will be displayed for 'Brake On'. In manual mode 'Brake On' until the back Panel "Foot Switch is pressed. After the 'Foot Switch' is pressed clutch remains on upto the set counts. Front Panel Power ON/OFF switch is provided for users convinience.

SPECIFICATIONS

INPUT	: Photo Sensors, Proximity Switches, Limit Switches.. etc...
MODES	: Auto/Manual Mode user Selectable by front panel bounceless switch.
RANGE	: (A) 0-99 & 0-999 Counts for 'Clutch On' (B) 0-10 Seconds for 'Brake On'.
ACCURACY	: Absolute as works on Digital Counting Principle.
SETTING	: 3-digit Thumbwheel Switch for 'Clutch On' Counts. Potentiometric Knob for "Brake On" time.
FOOT SWITCH	: Provided on Back Terminal. '
DISPLAY	: 3-digit Bright easy to read LED.
CONTROL OUTPUT	: High speed Transistorised Output rated at 24V/1.5 Amp Suitable for Clutch/Brake assembly.
SUPPLY	: 230 VAC \pm 10%. 50 Hz
DIMENSIONS	: 192(H) x 96(W) x 150(D) in mm Mettalic case.

NOTE

- Other ranges for Clutch / Brake on can be provided
- For Inputs 3-pin BSM connector is provided.
- Supply Voltage other than 230 VAC available.
- We offer AUGER TIMERS, Range : 0-999 Sec "ON" 0-10 sec "OFF"
- Even range like 0-99.9 sec or 0-09.99 sec available