



The Lapmaster Programmable Dispenser features microprocessor control of two dispensing channels. These channels, diamond and lubricant, can be independently programmed to deliver precisely timed spray pressures. The timing duration and interval can be adjusted to meter the correct quantity of fluid and the spray pressure can be adjusted to suit a wide variety of fluid viscosities. When coupled with a Lapmaster spray bar, complete control over the dispensing process can be attained.

Each channel has a spray INTERVAL timer and a spray DURATION timer that can be adjusted. The INTERVAL timer is the time in seconds from the start of one spray period to the start of the next spray period. The DURATION is the length in seconds of the spray period. The NEXT SPRAY timer counts down the time until the start of the next spray period. For example, if the INTERVAL is set to 13 seconds and the DURATION is set to 4 seconds, when the timing function is enabled, the spray

valve will be energized and the NEXT SPRAY timer will start at 13 seconds and count down towards zero. When the NEXT SPRAY timer is down to 9 seconds (13 - 4), the spray valve will de-energize. When the timer reaches zero, the timing cycle will repeat.

There are two ways of enabling the timing function. One way is by the use of the remote input. When this input is energized, the timing function for both channels will be enabled. This is useful for synchronizing the dispensing function to a machine's controls. The other way to enable the timing function is to use the ON/OFF key for each channel. This allows each channel to be enabled or disabled independently.

Another feature of the Programmable Dispenser is the capability of storing and recalling three programs that have the interval and duration parameters for each channel. This allows "recipes" to be constructed and easily recalled rather than having to change the timers each time a setup is changed.

PROGRAMMABLE DISPENSER

- Dispensing channels
Diamond
Lubricant
- Air supply required
Clean and dry shop air
50 psi (3.5 bar) to 125 psi (8.5 bar)
- Operating conditions
10 - 40 degrees Celsius
Relative humidity 20 - 95%
(non condensing)
- AC power
90 - 240 VAC
50/60 Hz
Auto switching
Fuse 0.25A; 5mm x 20mm
- Air supply connections
6mm push lock for 6mm OD tubing
Nylon, polyethylene or Polyurethane
MAX. pressure at Air Supply (8.5 bar)
- Spray connections
Two 3/16" push lock for 3/16" OD tube
- Air pressure adjustment
Regulator knobs on back
Display of pressure on front panel
- Physical dimensions
203mm W x 6159mm H x 165mm D
Four mounting holes on bottom of unit
- Weight
1.7kg

The LAPMASTER range of diamond compounds are available as;

- Emulsion based
 - Oil based
 - Water based

LAPMASTER slurries are formulated to provide maximum process compatibility. Typically available as Monocrystalline or Polycrystalline.

Available in;

- Sizes ranging from 0.10 micron to 45 micron
- Bottle sizes of 400g and 2000g

When combined with a LAPMASTER electronic dispensing system (over-leaf) a clean and efficient process can be realised.

Lubricating fluids are also available.



LAPMASTER model 15 fitted with an electronic diamond dispensing system

LAPMASTER®

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