INTEGY
www.integy.com

WARNING!

This product contains a chemical known to the state of California to cause cancer and birth defects or other reproductive harm.

INTEGY INC. assumes no liability for the use or misuse of this product or damages incurred to person or property by the use or misuse of chargers, batteries, electronic speed controllers, or other electronics that are used in conjunction with these products.

Due to the nature of the use and misuse of these products, Integy Inc. only warranties that this product meets all factory specs at the time of purchase and is free from any manufacturing defects. No other warranty is implied. INTEGY INC., the point of purchase, any dealer/distributor, their employees or owners will assume no responsibility for any damages or injuries to property or person that may occur. By purchasing any of these items, the consumer/buyer/user assumes all liability and takes full responsibility for usage and the results of these items.

Because we cannot control the way lithium batteries will be used, charged, discharged or stored after purchase, INTEGY INC. offers no warranty on lithium battery packs other than the pack working correctly upon first charge. Lithium battery pack swelling, lithium packs damaged through usage, and/or short-circuited packs will not be covered under warranty. Use lithium battery pack(s) at your own risk.

INTEGY
TEAM
TECHNOLOGIES, INC.
online catalog www.integy.com

INDI MOTOR DYNO (0-7V 10A:MAX)
#E2009

INDI Dyno operate with most 12VDC power supply with at least 10A capacity. Always use a cooling fan for the unit and your motor

Connect Dyno to a 12VDC power source

Press start & the status LED should be on

Adjust the voltage output to 4.0

Insert the magnetic coupling

Tighten the coupling with a 1.5mm wrench

Use the 3 thumb screws to secure your motor

Observe polarity red to +, blk to -

OV stands for output voltage

Adjust voltage output to 4.0 again

OA stands for output current

This motor draws 9.1 Amps during test

This is the rpm screen (x100 units)

This motor is running at 14,800rpm

Con mode shows interference condition of your motor (lower usually is better)

This motor has 18.3 interference index, which is pretty low for this type of motor

This chart below shows common dyno values of various motors, we suggest testing motor at 4.0V to reduce brush and commutator wear; excessive brush arcing may occur at higher voltage level.

Motor Type	OV	OA	Rpm	Con
MATRIX V9.0 Stock	4.0	5.6	141	20.0
MATRIX V8.0 Green Stock	4.0	5.1	171	25.7
MATRIX V8.0 MOD 9 Triple	4.0	5.6	271	28.0
P.Two.k	4.0	5.8	140	16.8
Green.Three	4.0	6.8	167	27.4

Tuning tip: try to tune stock motor for the highest possible rpm with the lowest interference. Commutator cutting & slow break-in speed usually brings interference level even lower.