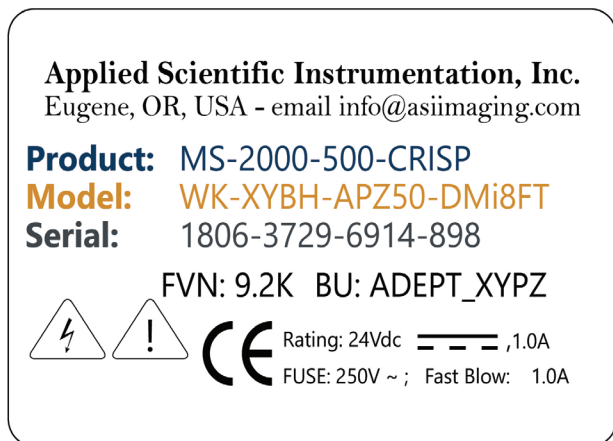


ASI CONTROLLER LABEL INFORMATION



Example:

WX = MS2000 controller with a Wiz Kid motherboard
Options for special character, normally left off

XYBH = XY stage information (B=Course Pitch
04 TPI H= Heidenhain Linear Encoder

APZ50 = Z axis information (ADEPT Piezo 500 µm, could
also be a rotary motor silver = Zs, or Linear Z stage
Z5A = 50 µm stage 16 T.P.I pitch)

F5A = Fourth Axis (5=50 mm travel A= Fine Pitch 16 TPI)

FW = Special Function/Capability

DMi8FT = System Microscope

Optional controller Special Characters:

Upright stages will have a character for this designation in the model number as WKU. The character "6" is for the 6" Stage, 8 = Eight Inch Stage, 10 = Ten Inch Stage, and 94 = 9" x 4" Stage

LABEL LINES

1. PRODUCT NUMBER in all system starts with a 2-3 letter prefix that specifies the type of controller being used followed by the 4 digit controller generation and lastly the encoder type code.

Example:

MS = Desktop Controller with Joystick
2000 = Generation
500 = Count /rotation Z axis encoder
CP = CRISP daughter board installed

Other controllers:

MS = MS -2000 Controller
MFC = Multi-Focus Controller
RM = Rack Mount Controller

2. MODEL NUMBERS starts with a 2-3 letter prefix that specifies the type of control board used followed by the stage axis information and encoder status or special axis information and is ended with the type of microscope or item the system is to be attached to. Each set of numbers/ letters is separated by a '-'.
Example: MS-2000-500-CP-WK-XYBH-APZ50-DMi8FT

Options for XY Stage portion:

XYBH

XY = Signifies this info is for the XY Stage
B = Stage has Course Pitch Lead screws
H = Stage has Heidenhain Linear Encoders

Stage Index is always started with an 'XY' and followed with options in the following order:

L - Older Linear Encoder
H - Heidenhain Linear Encoder
U - Ultra Fine Pitch 40 TPI
A - Fine Pitch 16 TPI
B - Course Pitch 04 TPI
C - Very Coarse pitch 02 TPI
D - Ultra Coarse Pitch 01 TPI

OPTIONS FOR Z AXIS PORTION:

APZ xx - ADEPT Piezo Z drives:

15 - 150 Micron Travel
30 - 300 Micron Travel
50 - 500 Micron Travel

PZ XX - Older Piezo Z drives:

10 - 100 Micron Travel
20 - 200 Micron Travel

Z - Standard Rotary Z Drive:

s - Silver Motor
L - Has Linear Encoder

Z - Linear Positioner:

- 5 - 50 mm travel
- 10 - 100mm travel
- 15 - 150 mm travel
- 20 - 200 mm travel

- U – Ultra Fine Pitch 40 TPI
- A – Fine Pitch 16 TPI
- B – Course Pitch 04 TPI
- C – Very Coarse pitch 02 TPI
- D – Ultra Coarse Pitch 01 TPI
- H – Has Heidenhain Linear Encoder

Example Z5A – LS50 type motor where the '5' represents the length (50 mm travel) and 'A' is the pitch (16TPI)

F - EXTRA AXIS OR FEATURES

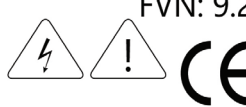
Any special features that are then added:


- M = Magnification Focus (as on a stereo microscope)
- AF = Auto Focus
- PT = Photo Tracker
- LT = Laser Tracker
- T = Theta rotary stage
- Tf = Tirf Actuator
- Mt = Motorized Turret
- CS = Cube Slider
- OS = Objective Slider

Applied Scientific Instrumentation, Inc.
Eugene, OR, USA - email info@asiimaging.com

Product: MS-2000-500-CRISP
Model: WK-XYBH-APZ50-DMi8FT
Serial: 1806-3729-6914-898

FVN: 9.2K BU: ADEPT_XYPZ



Rating: 24Vdc  ,1.0A
 FUSE: 250V ~ ; Fast Blow: 1.0A

3. SERIAL NUMBER contains 3 - 4 digit numbers separated by dashes. The Serial Number starts with a composite number whose first two digits represent the year and whose second digits represent the month. The next is the controller serial number, then the stage serial number, then the Z axis serial number, then the F axis serial number. Lastly is any special option serial number like CRISP numbers.