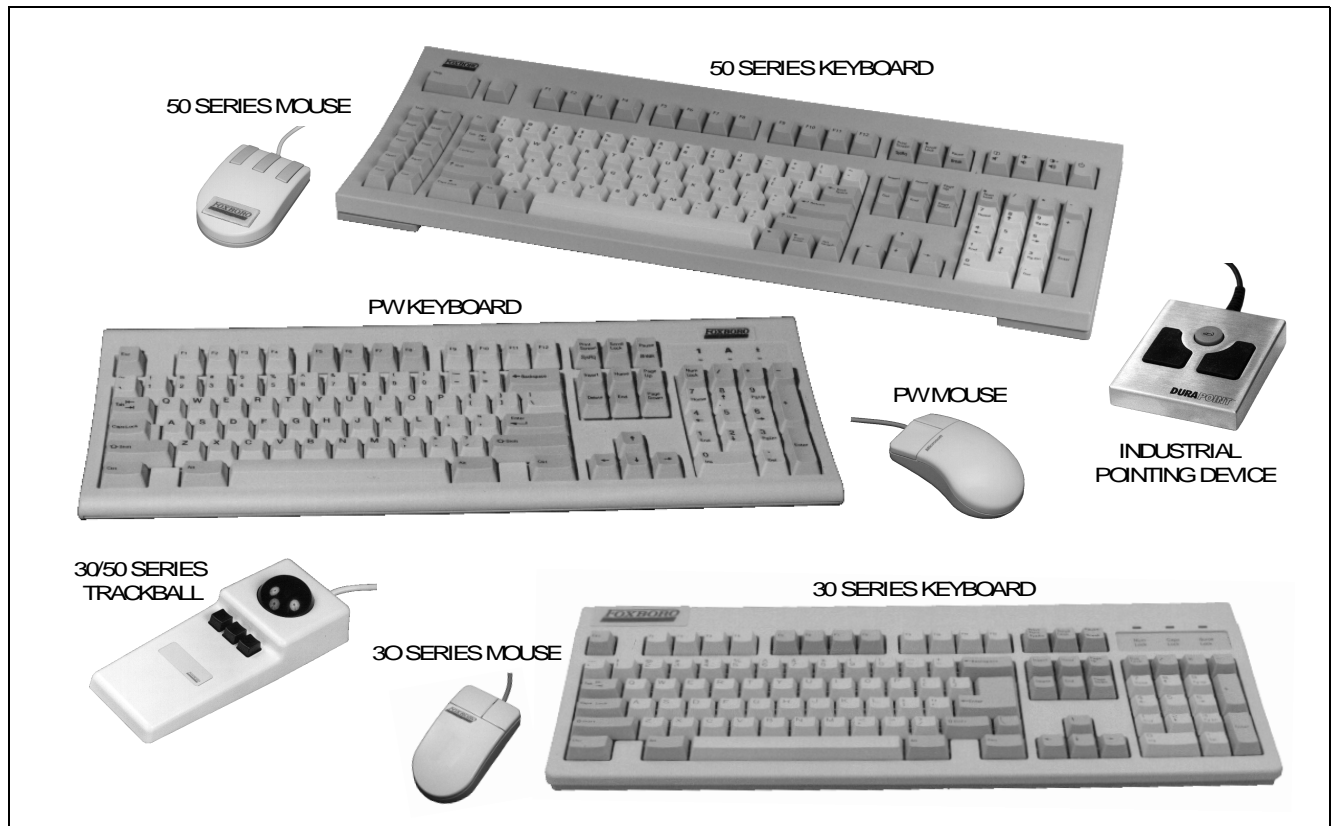# I/A Series® Hardware
Alphanumeric Keyboard, Mouse, and Trackball

The alphanumeric keyboard, mouse, and trackball for 30 and 50 Series products as well as the Personal Workstation (PW) provide additional human interface capability between the user and CRT display (with/without touchscreen). They enable a user to input, manipulate, identify, or create alphanumeric and graphic information on the screen. These devices may be used in conjunction with each other or stand-alone. Each are compatible with all I/A Series software and many third-party UNIX application software packages.

Alphanumeric Keyboard

The alphanumeric keyboards are used to enter text into the system. They consist of full sets of alphanumeric keys plus punctuation and special symbol keys laid out in the standard QWERTY format, numeric data entry keys (with cursor control), and software-definable function keys.

Mouse

The 50 Series mouse is a table-top operated cursor control device. Three buttons on the mouse allow the user to make selections on areas of the screen determined by the position of the cursor and enable features associated with the X Windows feature of the I/A Series software.

The 30 Series mouse is a two button table-top operated cursor control device. It functions the same as the 50 Series type and may be used with or without a mouse pad.

Product Specifications

Trackball

The trackball, used with the 30 and 50 Series products and the PW, is a stationary cursor control device. The trackball may be located on a table top or on a workstation bay work surface. With the trackball, user rotation of the ball causes CRT cursor movement related to the track-ball action. Buttons are provided on both devices for user selections/manipulations similar to the mouse.

Industrial Pointing Device

The industrial pointing device (for harsh environments) is also available for the 30 Series and 50 Series workstations and the PW. Finger pressure on the "mouse" pad causes cursor movement. Two buttons are provided for user selections/manipulations. This device supports engineering functions that require only two buttons.

ALPHANUMERIC KEYBOARD FUNCTIONAL SPECIFICATIONS

Type
A QWERTY keyboard, with function keys and numeric keypad, meeting the DIN standard 30 mm (1.2 in) height to the home row.

Contamination
Class G1 (Mild) as defined in ISA Standard, S71.04

Environmental
OPERATING TEMPERATURE
10 to 40°C (50 to 104°F)
STORAGE TEMPERATURE
−20 to 60°C (−4 to +140°F)
HUMIDITY
20 to 80% (Noncondensing)

PHYSICAL SPECIFICATIONS

Mounting
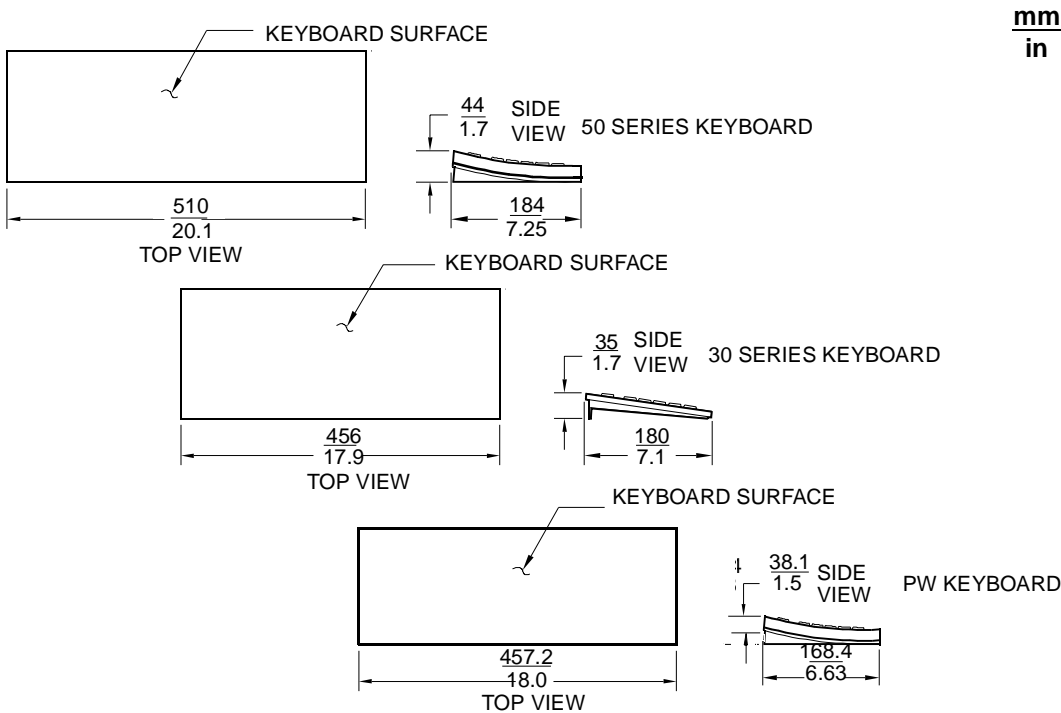The keyboard is a stand-alone device for desk-top use.

Mass
1.75 kg (3.85 lb), 50 Series keyboard
.86 kg (1.9 lb), 30 Series keyboard
1.4 kg (3.1lb), PW keyboard

DIMENSIONS–NOMINAL*

*Keyboards are subject to change without notice. Check with your Foxboro representative if exact measurements are required.

MOUSE FUNCTIONAL SPECIFICATIONS

Environmental
  OPERATING TEMPERATURE
    10 to 40 °C (50 to 104 °F)
  STORAGE TEMPERATURE
    −20 to 60 °C (−4 to +140 °F)
  HUMIDITY
    20 to 80% (Noncondensing)

Contamination
  Class G1 (Mild) as defined in ISA Standard, S71.04
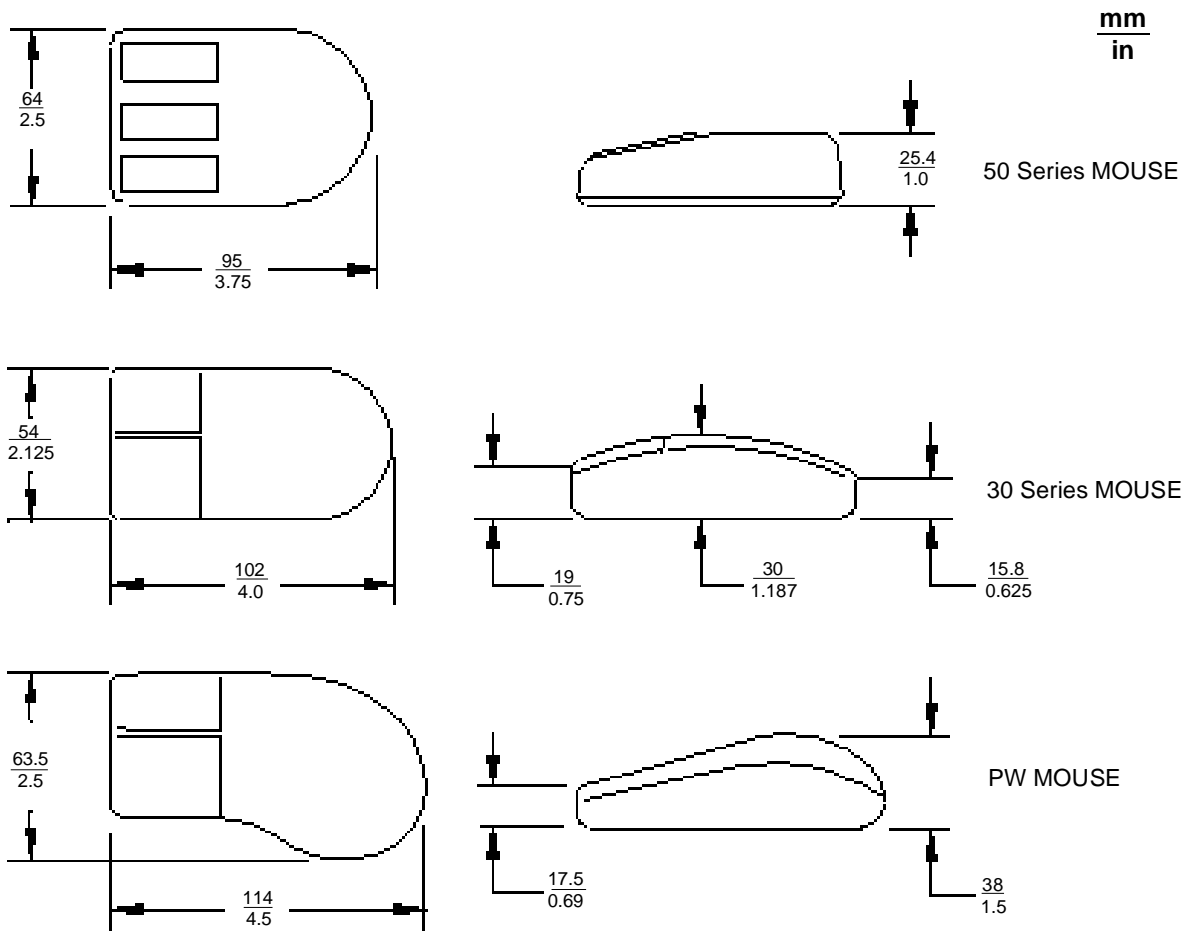
PHYSICAL SPECIFICATIONS

Mass
  0.11 kg (0.24 lb) 50 Series mouse
  0.19 kg (0.44 lb) 30 Series mouse
  0.19 kg (0.44 lb) PW mouse

DIMENSIONS–NOMINAL

$\dfrac{mm}{in}$

$\dfrac{64}{2.5}$ $\dfrac{95}{3.75}$ $\dfrac{25.4}{1.0}$ 50 Series MOUSE

$\dfrac{54}{2.125}$ $\dfrac{102}{4.0}$ $\dfrac{19}{0.75}$ $\dfrac{30}{1.187}$ $\dfrac{15.8}{0.625}$ 30 Series MOUSE

$\dfrac{63.5}{2.5}$ $\dfrac{114}{4.5}$ $\dfrac{17.5}{0.69}$ $\dfrac{38}{1.5}$ PW MOUSE

TRACKBALL

FUNCTIONAL SPECIFICATIONS

DIMENSIONS–NOMINAL

Environmental

OPERATING TEMPERATURE
5 to 40°C (40 to 104°F)
STORAGE TEMPERATURE
−25 to +60°C (−13 to +140°F)
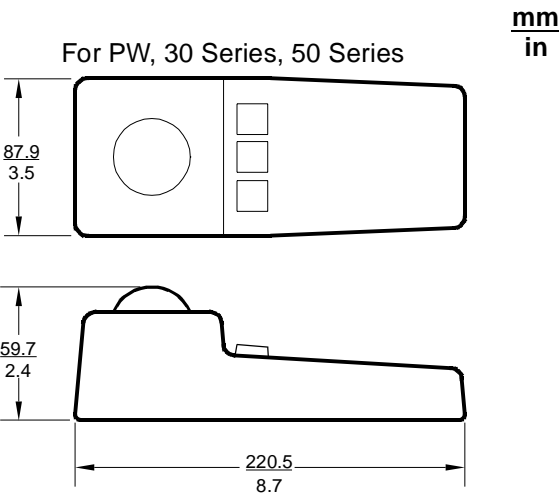HUMIDITY
20 to 80% (Noncondensing)

Contamination

Class G1 (Mild) as defined in ISA Standard, S71.04

PHYSICAL SPECIFICATIONS

Mass

0.5 kg (1 lb)

mm
in

For PW, 30 Series, 50 Series

87.9 / 3.5

59.7 / 2.4

220.5 / 8.7

INDUSTRIAL POINTING DEVICE

FUNCTIONAL SPECIFICATIONS

DIMENSIONS–NOMINAL

Environmental

OPERATING TEMPERATURE
0 to 60°C (32 to 140°F)
STORAGE TEMPERATURE
−40 to +85°C (−40 to +185°F)
HUMIDITY/MOISTURE/DUST
Completely sealed and potted against liquids and particulates
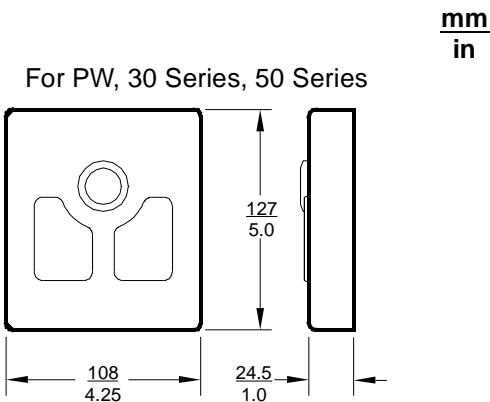
Contamination

Class G3 (Harsh) as defined in ISA Standard, S71.04

PHYSICAL SPECIFICATIONS

Mass

1 kg (2.0 lb) including cable

mm
in

For PW, 30 Series, 50 Series

127 / 5.0

108 / 4.25

24.5 / 1.0