

## TECHNICAL SPECIFICATIONS & INSTALLATION GUIDE

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Wellbeing Instruments Pty Ltd

### Product Overview

Wellbeing Instruments designs and manufactures permanently installed outdoor musical instruments for schools and community environments. The instruments are designed to support inclusive play, sensory regulation, and student wellbeing while providing long-term durability in outdoor conditions.

### Models

Explorer:

- 11-note layout
- C Major pentatonic scale
- Designed for intuitive, non-dissonant play

Composer:

- 15-note layout
- C Major scale
- Extended range for structured musical engagement

### Compliance & Safety

The instruments have been independently assessed and comply with AS 4685 Playground Equipment Standards. Certified by a Level 3 Playground Inspector and Chartered Professional Engineer. Certification is based on installation and maintenance in accordance with manufacturer guidelines.

Key safety outcomes:

- No finger entrapment risks (controlled spacing)
- No crush points created through movement
- Equipment height under 1m
- No impact fall zone required due to intended use

### Materials & Construction

- Frame: 316L stainless steel
- Tone Bars: Aluminium (6060-T5)
- Post: 88.9mm stainless steel pipe
- Finish: Satin

### Dimensions (Explorer)

- Overall height: approx. 936mm  $\pm$ 50mm (Middle height setting)
- Playing surface height: approx. 605mm  $\pm$ 50mm
- Width: approx. 730mm
- Depth: approx. 599mm
- Playing angle: 30°

### Dimensions (Composer)

- Overall height: approx. 936mm  $\pm$ 50mm (Middle height setting)
- Playing surface height: approx. 605mm  $\pm$ 50mm
- Width: approx. 970mm
- Depth: approx. 599mm
- Playing angle: 30°

### Height Adjustment

- Adjustable mounting positions allow variation in installed height
- Approximate overall height range: 886mm – 986mm
- Adjustment increments: ~50mm
- Achieved via three pre-drilled mounting positions in post

### Mounting Options

#### In-Ground Post:

- 600mm in-ground section
- Reinforced with welded bars for anchoring

#### Surface Mounting Plate:

- Fixed using anchor bolts
- Suitable for concrete slabs



## Installation Guide

### Overview:

Installation must be carried out by a competent person in accordance with:

- Manufacturer instructions
- Site-specific conditions
- Relevant regulations, standards, and school policies applicable in your state or territory

Responsibility for ensuring compliance with local requirements, approvals, and safe installation practices rests with the installing party and the school.

Installation requirements may vary depending on site conditions and jurisdiction, and it is recommended that the school confirms any specific requirements prior to installation.

### In-Ground Installation:

1. Select location
2. Check for underground services
3. Excavate hole (~600mm depth)
4. Position post and level
5. Pour concrete
6. Allow curing
7. Attach instrument

### Post-Installation Checks

- All fixings tightened
- Instrument stable
- No hazards
- Beaters secured

### Surface Mounting Plate Installation:

1. Position on slab
2. Drill fixing points
3. Install anchor bolts
4. Secure and level

### Maintenance

- Periodic inspection
- Check beaters
- Clean as required
- Routine safety checks

### Placement Considerations

Placement should be determined in accordance with AS 4685, taking into account the intended stand-and-play use of the equipment, safe circulation space, and proximity to surrounding structures.

A specific fall zone or impact area is not required for this type of equipment.

### Important Notes

Equipment must be installed and maintained in accordance with manufacturer requirements. Certification does not replace supervision or safe use practices.