



## MOTION PLATFORM

# QS-TP1

## Traction Pro

QS-TP1 adds true rear-end slide to your motion simulator. Mount it under 4 vertical actuators for a full five-axis setup, or place your cockpit directly on top. You feel the car step out before you see it, so you can catch oversteer with precision.

### WHY QS-TP1



#### The Moment the Rear Lets Go

The whole cockpit swings around its nose, so the slide is felt through the seat, not only seen



#### Speed Over Amplitude

Under 8 ms from telemetry to motion - the cue arrives while there is still time to correct it



#### Two Ways to Run It

A 2DOF base on its own, or under a QS-210 / QS-220 set for a full five-axis platform



#### Delivered Flat-Pack

Ships in 3 compact boxes, so it is easy to move into any room - self-assembly kit or pre-assembled

**2DOF**

ARCHITECTURE

**250kg**

MAX PAYLOAD

**±30mm**

SURGE

**±8°**

YAW

### WHAT TO EXPECT

#### TRACTION LOSS EFFECTS

- › Oversteering sensation
- › Vehicle rear movement
- › Drift initiation feeling
- › Grip level awareness

#### RACING FEEDBACK

- › Longitudinal G-forces
- › Braking and acceleration
- › Rumble strips and road harshness
- › Gear change and ABS

COMPATIBLE WITH

- QS-210 / QS-220 (3DOF)
- QS-210 / QS-220 + Pivot (2DOF)

QS-210 / QS-220 + Pivot (2DOF) - coming soon.

Cockpit frame width B relates to actuator axis width W as  $W = 2 \times 55.4 + B$ .

SPECIFICATIONS

| SYSTEM PERFORMANCE              |               |
|---------------------------------|---------------|
| Surge                           | ±30 mm        |
| Yaw                             | ±8°           |
| Payload                         | 250 kg        |
| Max Acceleration                | 0.6 G         |
| Stroke                          | 60 mm         |
| Latency                         | <8 ms         |
| Vibration Range                 | 0-100 Hz      |
| DIMENSIONS                      |               |
| Total Length                    | 1271 mm       |
| Total Width                     | 850 mm        |
| Total Height - cockpit adapters | 273 mm        |
| Total Height - actuator cups    | 238 mm        |
| Operating Footprint             | 1294 x 493 mm |
| Platform Weight                 | 86 kg         |
| COCKPIT WIDTH RANGE             |               |
| Actuator cups                   | 650-750 mm    |
| Adapters - inside mounting      | 540-650 mm    |
| Adapters - outside mounting     | 646-756 mm    |

| POWER REQUIREMENTS       |                                  |          |
|--------------------------|----------------------------------|----------|
| Power Supply             | 120 / 230 VAC Single Phase       |          |
| Connection               | USB and Ethernet socket included |          |
| POWER DRAW               | 120 V                            | 230 V    |
| Average power            | 0.8 kVA                          | 0.95 kVA |
| Peak power               | 0.85 kVA                         | 1.0 kVA  |
| Average current          | 7 A                              | 5 A      |
| Peak current             | 23 A                             | 14 A     |
| Avg power - stress test  | 0.43 kW                          | 0.4 kW   |
| Avg power - typical game | 0.03 kW                          | 0.03 kW  |

## QUBIC SYSTEM

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PRODUCT



MANUAL

## CONNECT WITH US

Discord: qubicsystem  
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