

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 | 250kg | ±30mm | ±8° |
|---|---|---|---|
| ARCHITECTURE | MAX PAYLOAD | SURGE | 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 x 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 | 540-640 mm |
| Adapters - inside mounting | 540-650 mm |
| Adapters - outside mounting | 646-756 mm |

# QS-TP1 Technical Specifications

MOTION PLATFORM

| 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**

qubicsystem.com
info@qubicsystem.com
Made in Poland (EU)


PRODUCT MANUAL


**CONNECT WITH US**

Discord: qubicsystem
YouTube: @qubicsystem
Instagram: @qubicsystem