

LEGEND

Component

Processing

Reference aperture
4 x opening/closing

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Tracking error

**Spatial coding
error sign
Intensity coding
error amplitude**Stimulation parameters
*Active electrode, current intensity***Electrotactile
stimulator**Stimulation
pulsesCurrent
aperture

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**Prosthesis
model
(Integrator)**Command input
*velocity***Myoelectric
control
root mean square**EMG data
*Recording windows*Time-division
multiplexing (TDM)**EMG amplifier**Wrist/finger
Flexion/extension**Subject**

CONTROL LOOP @1 kHz

