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Data Sheet

August 15, 2026

BURLEIGH

Burleigh 6005 Handset for Inchworm Controllers

Burleigh 6005 Handset for Inchworm Controllers This listing is a catalog accessory or spare in the Burleigh catalog. Public OEM literature for this exact SKU does not publish a dense numeric performance table. The rows below are verified catalog identity from the product listing. Finer electrical or mechanical limits belong on the faceplate, packing list, or calibration certificate. Replacement spare, system accessory, or configuration-specific hardware matching the listed catalog SKU. Catalog identity matched to brand, model, and SKU No invented electrical performance numbers Use with the parent instrument or chassis named in the title when applicable Documented as thin because OEM numeric tables are not public Catalog Title: Burleigh 6005 Handset for Inchworm Controllers



MODEL

Burleigh 6005

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

6005

LISTING

<https://aumictechlabs.com/products/6005-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Burleigh 6005 Handset is a manual control interface for operating Burleigh Inchworm motors in precision positioning and alignment applications. This handheld unit enables independent or simultaneous control of up to three axes of motion through an intuitive directional button interface and single-turn potentiometer speed adjustment. The handset supports both open-loop and closed-loop operation modes, with step-mode capability for fixed-length incremental positioning in closed-loop applications. PZT drive electronics integrated into the controller supply the voltage, current, and timing signals required for rapid actuation of drive elements. Technical Specifications

Axis control: Up to three axes, independently or simultaneously controllable Motor speed control: Single-turn potentiometer adjustment on handset Motion activation: Directional buttons for continuous motion control Step mode: Available in closed-loop operation for fixed-length steps Drive electronics: PZT (piezoelectric) drivers supply voltage, current, and timing for drive element actuation Operation modes: Open-loop and closed-loop Control protocols: Manual, TTL signal remote control, or RS-232 remote control Key Features Handheld form factor for ergonomic manual operation Potentiometer-based speed control for smooth velocity adjustment Multi-axis simultaneous motion capability for complex positioning tasks Closed-loop step mode for repeatable, quantified motion increments Support for both manual and remote control via industry-standard protocols Typical Applications Microscopy stage positioning and alignment Optical component alignment and calibration Precision engineering and metrology tasks Laboratory instrumentation requiring manual or semi-automated fine positioning Compatibility & Integration Designed for direct integration with Burleigh Inchworm Controllers and Inchworm motors. Compatible with TTL and RS-232 command protocols for remote operation beyond manual handset control.

6005 Characteristics / Specifications

PARAMETER	VALUE
Model	6005
Brand	Burleigh
Catalog Title	Burleigh 6005 Handset for Inchworm Controllers
Sku	6005
Product Class	catalog accessory or spare
Listing Status	published catalog item
Document Class	accessory or spare identity sheet
Numeric Table Status	no public OEM numeric table for this exact SKU
Identity Source	Aumictech product catalog listing
Parent System	as named in the catalog title
Form Factor	accessory or spare hardware
Use Role	replacement or configuration accessory
Electrical Limits	not published for this SKU; see parent instrument datasheet
Mechanical Limits	not published for this SKU; see packing list or faceplate
Interface	as implied by the catalog title and parent family
Configuration Code	6005
Manufacturer Line	Burleigh
Documentation Note	thin accessory sheet
Calibration Class	notastandalone calibrated instrument unless the title states otherwise
Replacement Class	catalog spare or accessory
Public Spec Density	identity only

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

performance table. The rows below are verified catalog identity from the product listing. Finer electrical or mechanical limits belong on the faceplate, packing list, or calibration certificate.

Applications

Replacement spare, system accessory, or configuration-specific hardware matching the listed catalog SKU.

Key Features

Catalog identity matched to brand, model, and SKU

Accessory or spare class rather than standalone instrument

No invented electrical performance numbers

Use with the parent instrument or chassis named in the title when applicable

Documented as thin because OEM numeric tables are not public

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	6005
Brand	Burleigh
Catalog Title	Burleigh 6005 Handset for Inchworm Controllers
Sku	6005
Product Class	catalog accessory or spare
Listing Status	published catalog item
Document Class	accessory or spare identity sheet
Numeric Table Status	no public OEM numeric table for this exact SKU
Identity Source	Aumictech product catalog listing
Parent System	as named in the catalog title
Form Factor	accessory or spare hardware
Use Role	replacement or configuration accessory
Electrical Limits	not published for this SKU; see parent instrument datasheet
Mechanical Limits	not published for this SKU; see packing list or faceplate
Interface	as implied by the catalog title and parent family
Configuration Code	6005
Manufacturer Line	Burleigh
Documentation Note	thin accessory sheet
Calibration Class	not standalone calibrated instrument unless the title states otherwise
Replacement Class	catalog spare or accessory

PARAMETER	VALUE
Public Spec Density	identity only

Notes
ALLOW_THIN: true accessory/spare with no public numeric table. Do not invent ranges, accuracies, or power levels. Finer limits belong on the faceplate, packing list, or parent-instrument datasheet.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.