

HYGIENX[®]

Hygienic
Weighing Solutions



PRODUCTS
MADE IN
ITALY

HYGIENX®

Scales

Dini Argeo's HYGIENX® scales are designed to meet the requirements of a variety of hygienic environments including food production, pharmaceuticals, cosmetics, chemicals and more.

HYGIENX scales are made in Italy and constructed of stainless steel with continuous welds to withstand high-pressure, high-temperature washdowns necessary in sanitary facilities. The construction eliminates hidden pockets where water or material could collect, reducing the risk of bacterial growth. A polished steel surface allows cleaning agents and water to drain away from HYGIENX scales after washdown procedures.



PLATFORM SCALE

TE HYGIENX



INSTRUMENTATION

3590EGT HYGIENX
DFWK HYGIENX



PALLET TRUCK SCALE

TPWI HYGIENX

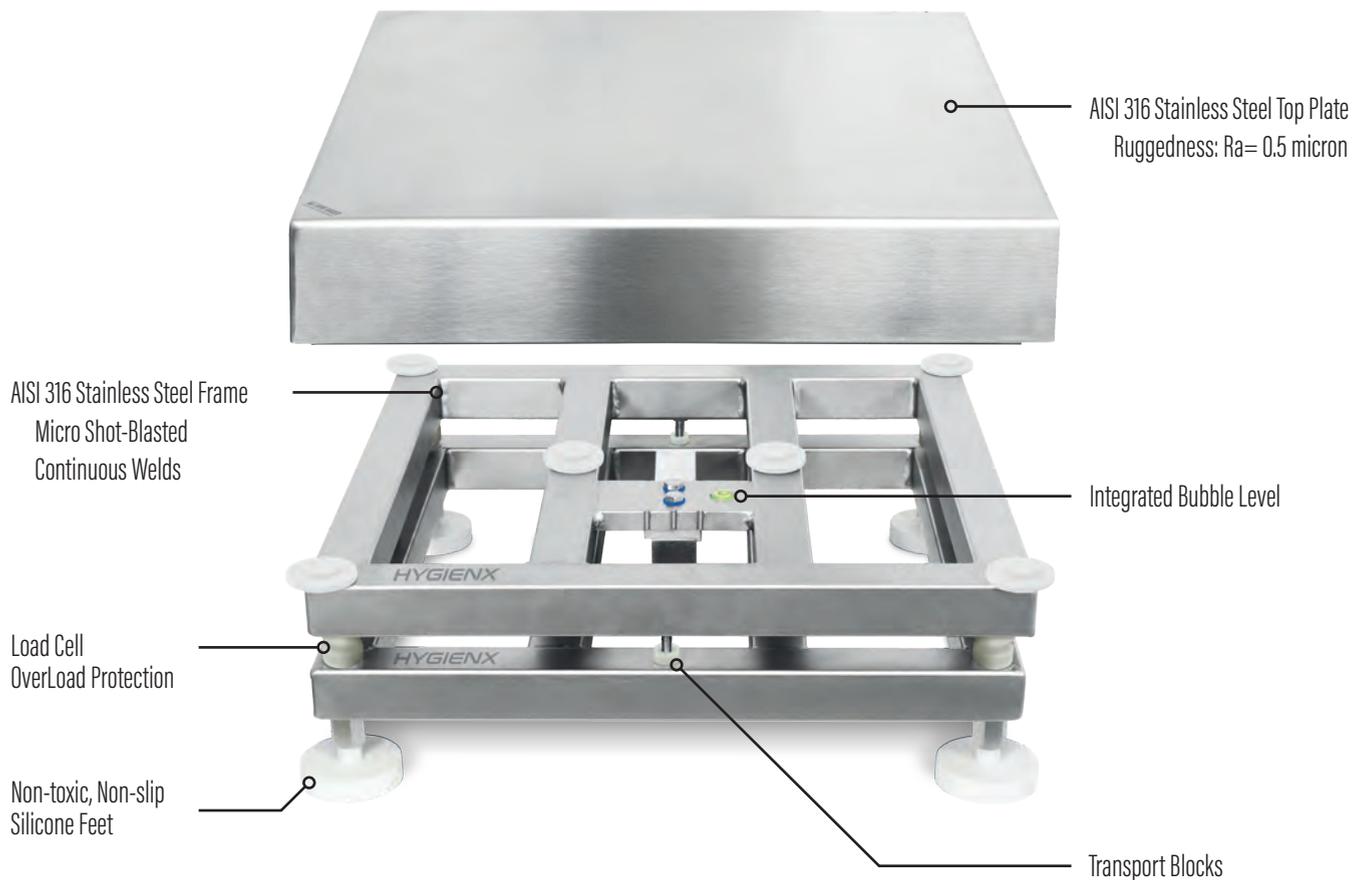


Hygienic Bench Scale

The structural design of the TE HYGIENX allows for thorough equipment inspections and it is HCV-EU certified for use in production with direct food contact. It is constructed of AISI 316 stainless steel for improved corrosion resistance and safe use in environments exposed to saltwater.

The TE HYGIENX is available in capacities up to 60 kilograms and has a hermetically sealed, IP69K load cell. It features adjustable non-toxic silicone feet that help reduce bacteria growth and are designed to eliminate exposed threads, simplifying sanitation procedures while providing sturdy scale support.

The TE HYGIENX can be paired with HYGIENX weight indicators and used for counting, batching, checkweighing and general weighing operations in hygienic production environments.



CERTIFICATIONS





OPTIONAL ACCESSORIES

Column for Dini Argeo weight indicator
Choice of AISI 316 instrumentation 3590EGT HYGIENX or
DFWK HYGIENX



3590EGT HYGIENX

The 3590EGT HYGIENX is a digital weight indicator with a 5.7-inch color touchscreen display. It can be used for totalization, formula weighing, counting, checking prepackaged goods, labeling and dosage systems in loading and unloading. Custom programs can also be created for unique applications.



DFWK HYGIENX

The DFWK HYGIENX digital weight indicator has an LCD backlit display with 17 keys and an internal rechargeable battery. It can be used for totalization, formula weighing, percentage weighing and dosing, counting and two-speed filling or dosing.



Hygienic Pallet Truck Scale

The TPWI HYGIENX is a stainless steel pallet truck scale specifically designed for environments with extreme hygienic requirements. It is constructed of AISI 304 stainless steel but is available in AISI 316 stainless steel upon request when additional corrosion resistance is necessary. The TPWI HYGIENX comes with standard fork dimensions but custom sizes can be manufactured for unique applications.

Designed for a complete sanitation with high-pressure, high-temperature water jets, the TPWI HYGIENX has four hermetically sealed IP69K stainless steel load cells. The included DFW Series weight indicator has a large, high-contrast display that provides clear weight readings even in low-light conditions.

DFWK HYGIENX STANDARD INSTRUMENTATION

Built-in Rechargeable Battery
IP69K Stainless Steel Indicator Enclosure
High-contrast, 25-mm LCD Display



CERTIFICATIONS



Removable Fork Covers for Cleaning

Electropolished Surface Finish

200 mm Wheels



TE HYGIENX®



STANDARD FEATURES

- Designed to withstand high-pressure hot water cleaning procedures
- HCV-EU certified loading surface for use in direct food contact
- Meets HACCP hygienic design requirements
- Load cell connects directly to indicator with cable gland
- Removable cover and seals for complete cleaning and inspection
- Integrated bubble level
- Non-slip, non-toxic silicone feet for wet environments

OPTIONS

- Column for weight indicator designed with support foot and ergonomic carrying handle
- Raising frames made of AISI 304 stainless steel
- AISI 304 stainless steel trolley for mobile weighing
- Dini Argeo weight indicators with AISI 316 stainless steel, IP69K enclosures

SPECIFICATIONS

STRUCTURE:	AISI 316 stainless steel Micro shot-blasted finish Continuous welds Removable cover for cleaning and inspection
LOAD CELL:	IP68/IP69K rated OIML R60 approved, C6 class Stainless steel Hermetically sealed
OVERLOAD PROTECTION:	Five-point limit switches
SENSITIVITY:	2 mV/V +/- 10%
MAXIMUM POWER:	15 VDC
CABLE LENGTH:	3 m, shielded (reduced to 1 m when used with column)
TEMPERATURE RANGE:	-10° / +40° C

CERTIFICATIONS



AVAILABLE VERSIONS

Code	Internal Use			C3				C6					
	Max (kg)	Standard Resolution d (g)	High Resolution d (g)*	Single Range 3000e		Multi Range 3000+3000e		Multi Interval 2x3000e		Single Range 6000e		Multi Range 6000+6000e	
				Max (kg)	e (g)	Max (kg)	e (g)	Max (kg)	e (g)	Max (kg)	e (g)	Max (kg)	e (g)
TSE 230x330x90 mm	TSE3-HGX	3	0,5	0,2	3	1	1,5/3	0,5/1		3	0,5	--	--
	TSE3-HGX-MI								3	0,5/1			
	TSE6-HGX	6	1	0,5	6	2	3/6	1/2		6	1	3/6	0,5/1
	TSE6-HGX-MI								6	1/2			
	TSE12-HGX-MI								12	2/5			
TTE 330x330x90 mm	TTE6-HGX	6	1	0,5	6	2	3/6	1/2		6	1	3/6	0,5
	TTE6-HGX-MI								6	1/2			
	TTE12-HGX-MI								12	2/5			
	TTE15-HGX	15	2	1	15	5	6/15	2/5		12	2	6/12	1/2
	TTE30-HGX	30	5	2	30	10	15/30	5/10		30	5	12/30	2/5
TQE 400x400x115 mm	TQE12-HGX-MI								12	2/5			
	TQE15-HGX	15	2	1	15	5	6/15	2/5		12	2	6/12	1/2
	TQE30-HGX	30	5	2	30	10	15/30	5/10		30	5	12/30	2/5
	TQE30-HGX-MI								30	5/10			
	TQE60-HGX	60	10	5	60	20	30/60	10/20		60	10	30/60	5/10
TME 400x500x115 mm	TME30-HGX	30	5	2	30	10	15/30	5/10		30	5	12/30	2/5
	TME30-HGX-MI								30	5/10			
	TME60-HGX	60	10	5	60	20	30/60	10/20		60	10	30/60	5/10
	TME60-HGX-MI								60	10/20			

TPWI HYGIENX®



STANDARD FEATURES

- Designed to withstand high-pressure hot water cleaning procedures
- No junction box, load cells are easily adjusted through the keypad
- Removable fork covers for easy inspection and cleaning with high-pressure water
- Nylon steering wheels and double loading rollers with polyurethane coating
- Battery charging socket with double protection against water and humidity
- Tested and certified to guarantee the listed precision
- Dedicated key operating modes:
 - High resolution display x 10
 - Precision weighing with temporary recalibration using a sample weight (internal use)
 - Net/gross
 - Conversion between lb/kg
 - Free conversion factor for liter-metering systems
 - Weight totalization
 - Formulation
 - +/- control with quick target and threshold entry
 - Percentage weighing
 - Percentage dosage with programmable target
 - Piece counting
 - Hold
- User menu access with dedicated key for weighing filter, date and time, setpoint and user-accessible tare
- Menu access and dedicated keys can be password protected

STANDARD FEATURES

- Alibi memory optional
- Custom capacity and resolutions available upon request

AVAILABLE VERSIONS

Code	Max (kg)	d (kg)	Legal for Trade (kg)
TPWI-HGX	1.000 / 2.000	0,2 / 0,5	--
TPWIM-HGX	1.000 / 2.000	--	0,5 / 1

SPECIFICATIONS

PROTECTION:	IP69K rated
CAPACITY:	2.000 kg Up to 3.000 kg by request
DIVISION:	Internal use: 0,2 / 0,5 kg Approved: 0,5 / 1 kg
ACCURACY:	Internal use: +/- 0,5 kg Approved: CE (Directive 2014/31/EU)
POWER:	Rechargeable battery Up to 100 hours battery life 230 VAC 50 Hz battery charger with EU, UK, US, AU plug
STRUCTURE:	Weight: 135 kg Micro shot-blasted finish AISI 304 stainless steel *AISI 316 stainless steel by request Four, IP69K certified stainless steel load cells Lift pump: AISI 304 Electropolished
FORK DIMENSIONS:	Forks: 1180 x 550 x 58 mm Low fork profile: 85 mm Lifting height: 205 mm *Special sizes available by request
INSTRUMENTATION:	Enclosure: IP69K rated Display: 25 mm LCD Keys/Buttons: waterproof membrane, 17 numeric/functional keys Configurable RS232/C bidirectional port for printer, PC, radio module, Wi-Fi or handheld terminal
OPERATING TEMPERATURE:	-10° / +40° C

3590 HYGIENX®



STANDARD FEATURES

- AISI 316 stainless steel enclosure
- IP68/IP69K rated against water, dust and high-pressure hot water cleaning
- Touchscreen, backlit graphic display (5.7 inches)
- Touchscreen keyboard
- Integrated database
- Custom printouts
- Custom user interface
- Alphanumeric keypad with 15 keys
- Multilanguage software
- 3-light status indicator – red, green, yellow
- Connectable to printers and labelers
- Calendar, clock and permanent data memory
- Alibi memory
- Modbus RTU interface
- Standard application software: AF01 Totalization and Formula Weighing
- Functions available with DiniTools:
 - Configuration data entry and print formatting
 - Storage and archiving of all information on PC
 - Complete configuration backup
 - Customization of displays

OPTIONS

- Internal micro-SD slot
- 4 optoisolated outputs
- 2 optoisolated inputs
- Profibus or Modbus TCP interface
- External Profinet, Ethernet/IP, EtherCAT, CANopen or DeviceNet interface (optional, only with AF01 standard weighing program)
- Optional Bluetooth® connection for fast wireless programming of the archives through PC, tablet or smartphone
- Software applications
 - AF02: Pieces/quantity counting
 - AF04: Statistical checking of prepackaged goods
 - AF05: Price computing and industrial labelling
 - BATCH1: Single product dosage systems in loading and unloading
 - BATCH: Multicomponent dosage systems in loading and unloading (IOEXPB board must be included)

SPECIFICATIONS

DIMENSIONS:	280 × 143 × 185 mm
DISPLAY DIMENSIONS:	120 × 90 mm
DISPLAY:	Touchscreen, backlit Soft keyboard – QWERTY, AZERTY or QWERTZ selectable Waterproof alphanumeric keyboard with 15 keys
POWER:	110-240 VAC power supply with 1,5 m cable with Shuko plug
RESOLUTION:	24 bit A/D with internal resolution if 3.000.000
LEGAL FOR TRADE:	Up to 10.000e
DISPLAY RESOLUTION:	Up to 1.000.000 displayable divisions
ANALOG SIGNAL SENSITIVITY:	0.3 uV/e in approved version, 0,01 uV/e for internal use
EXCITATION VOLTAGE:	Up to 8 load cells with 350 ohm input resistance Up to 16 load cells with 700 ohm input resistance
A/D:	Up to 4 A/D channels
A/D SAMPLE RATE:	3.200 Hz
COMMUNICATION PORTS:	2 RS232 serial ports for connection to printer, PC, PLC, radio remote and optional interfaces 1 RS232 series port (RS485 optional) for connection to repeater, remote scale, badge reader or digital load cells
PROTECTION:	IP68/IP69K rated
CERTIFICATIONS:	CE-M EN 45501:2015 OIML R-76 OIML R-61 (MID) OIML R-51 (MID) Australian Legal for Trade approval

AVAILABLE VERSIONS

Code	Description
3590EGT-HGX	5.7" color touchscreen indicator with AF01 program. Specifically for environments with high hygiene requirements. Casing made of AISI 316 stainless steel with IP68/IP69K rating.

DFW HYGIENX®



STANDARD FEATURES

- AISI 316 stainless steel enclosure
- Numeric keypad with 17 keys
- IP68/IP69K rated against water, dust and high-pressure hot water cleaning
- Internal rechargeable battery
- Digital calibration and setup from keyboard or PC
- Operation modes selectable with dedicated key (key may be password protected)
- Functions:
 - Precision weighing with temporary recalibration by sample weight (internal factory use only)
 - Net/gross
 - Conversion between lb/kg
 - Free conversion factor for meter counting systems, liter counters
 - Weight totalization
 - Formulation
 - +/- control with rapid target and threshold entry
 - Percentage weighing
 - Percentage dosing with programmable target
 - Piece counting
 - Hold
 - Two-speed filling/dosing with zeroing at start with optional DF10

OPTIONS

- Alibi memory optional
- 6-key radio frequency remote control- zero, tare, enable/disable function, print, shutdown

SPECIFICATIONS

DIMENSIONS:	280 × 143 × 185 mm
DISPLAY:	Backlit LCD 6 high contrast digits Icons for active functions
POWER:	110-240 VAC power supply with 1,5 m cable with Shuko plug Internal rechargeable battery
BATTERY LIFE:	40 hours
RESOLUTION:	24 bit A/D with internal resolution if 3.000.000
LEGAL FOR TRADE:	Up to 10.000e
DISPLAY RESOLUTION:	Up to 1.000.000 displayable divisions
ANALOG SIGNAL SENSITIVITY:	0,3 uV/e in approved version, 0,01 uV/e for internal use
EXCITATION VOLTAGE:	Up to 8 load cells with 350 ohm input resistance Up to 16 load cells with 700 ohm input resistance
A/D:	Up to 4 A/D channels
A/D SAMPLE RATE:	200 Hz
COMMUNICATION PORTS:	2 RS232 serial ports configurable for connection to remote printer/labeler Bi-directional RS232 (optional RS485) port configurable to PC, PLC, additional remote display or radio modem
PROTECTION:	IP68/IP69K rated
CERTIFICATIONS:	CE-M EN 45501:2015 OIML R-76 OIML R-61 (MID) OIML R-51 (MID) Australian Legal for Trade approval

AVAILABLE VERSIONS

Code	Description
DFWK-HGX	DFWK-HGX 17-key indicator specifically for environments with high hygiene requirements. AISI 316 stainless steel enclosure, IP68/IP69K rating, backlit LCD display and internal rechargeable battery.

“YOUR WORLDWIDE PARTNER FOR WEIGHING”



A RICE LAKE WEIGHING SYSTEMS COMPANY

COMPANY HEADQUARTERS

Via Della Fisica, 20
41042 Spezzano di Fiorano Modena • Italy
Tel. +39.0536 843418

SERVICE ASSISTANCE

Via Dell'Elettronica, 15
41042 Spezzano di Fiorano Modena • Italy
Tel. +39.0536 921784

OTHER DINI ARGEO LOCATIONS

DINI ARGEO WEIGHING INSTRUMENTS Ltd
China

DINI ARGEO UK Ltd
United Kingdom

DINI ARGEO FRANCE sarl
France

WHY CHOOSE DINI ARGEO?



WORLDWIDE SERVICE AND SHIPPING

International group with offices in America, Europe, India, China, Mexico and Oceania, over 900 employees and a network of specialised partners in 130 countries worldwide.



FAST SHIPPING

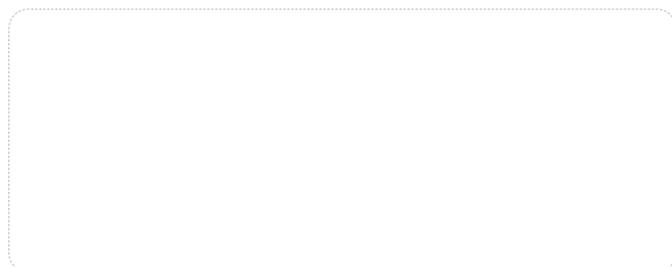
Dini Argeo always keeps complete systems in stock that can be shipped quickly.



MADE IN ITALY

Dini Argeo weighing solutions are made in Italy and guarantee the highest quality standards.

SALES SERVICE AND TECHNICAL ASSISTANCE



Mod **HGX-CEN**

P/N
HGX-CEN

Sn
NOSN

HGX-CEN/NOSN



Rev. 10.10.2023