

INDUSTRIAL WEIGHING SOLUTION™

- High Pressure
- High Temperature
- Impact Resistant

X320

WASHDOWN

Indicator



CAS

www.cas-usa.com

X320

TOTAL WEIGHING SOLUTION™

The **CAS X320** combines innovation in industrial design and engineering excellence to create an indicator that is ideal for use in automotive, pharmaceutical, chemical, and food processing applications.

Constructed of a food grade, chemical resistant, high tech composite alloy. Impervious to detergents and cleaning chemicals typically used in automotive, pharmaceutical, chemical, and food processing applications.

The CAS X320 has the industry's highest environmental protection rating – IP 69K.

IP 69K - The CAS X320 is designed to withstand cleaning with high pressure water jets from multiple angles to 1450 psi, and high temperatures to 176°F/80°C.

IP 68 - The indicator has been tested and certified as dust tight and can also be submerged in over 6 ft of water for 1 hr.

Impact Resistant - Designed to withstand the impact of being dropped from almost 4 feet (1.2 meters).



1000's of units have been performing day in/day out in harsh, industrial, washdown applications.



Manufactured with High Tech Composite Alloy

The indicator's high tech composite alloy enclosure, unlike stainless steel, fights the internal build up of condensation.

Encapsulated Components

A unique 4mm thick single piece front housing, utilizing a 2 stage compression Double 'O' Ring seal and encapsulated circuitry further protects the indicator's internal electronic components.



Exceptional Housing

- Sturdy design with enhanced wall strength
- Single piece front panel to protect the display and avoid leaks
- Double 'O' ring to seal outer housing
- No external parts using adhesive
- Encapsulated circuitry
- No moving parts

X320 | Washdown Indicator

TOTAL WEIGHING SOLUTION™

Capacitive Keyboard Technology

The CAS X320's single piece front housing senses the operator's finger from inside the enclosure. There are no moving parts to wear out, no exposed electronics, no mechanical switches, and no glued membrane to fail. For operator convenience, status annunciators provide a visual indication of all keypresses while providing total protection from sharp objects.



Total Protection From Sharp Objects

The X320's exceptional high tech composite alloy construction, encapsulated components, and capacitive keyboard technology make this indicator indestructible! The X320 is perfect for harsh industrial applications and for food trimming applications because it is virtually knife, scissor, and any other sharp tool proof!

Easy To Use

Use the LCD backlit display for weight only or configure both the weight display and color coded

Under • Pass • Over

annunciators to simply notify the operator if the product being weighed is in tolerance. Free firmware is available to store the 5 most commonly used product weight ranges for simple operator recall.



CASLink Innovation

In addition to front panel configuration capabilities, a magnetically coupled infrared connector on the X320's front panel provides a convenient laptop connection for simplified setup when using **CASLink**, a PC based configuration software tool. **CASLink** enables convenient setup, transfer of configuration and calibration parameters, and simple downloading of software upgrades without opening the indicator and jeopardizing the integrity of the units water tight seal.



Connectivity and Traceability

The CAS X320 is designed to function as a stand-alone workstation or for your data management needs, place the unit in a wired or wireless networked environment.

Dependability • Less maintenance cost • Peace of mind

X320 | Washdown Indicator

SPECIFICATIONS

Resolution	Up to 30,000 divisions, minimum of 0.25 V/division	
Zero Cancellation	+/- 2.0 mV/V	
Span Adjustment	0.1 mV/V to 3.0 mV/V full scale	
Excitation	5V for up to 4 x 350 or 8 x 700 ohm load cells	
A/D Type	24 bit Sigma Delta with 8,388,608 internal counts Maximum total load cell resistance: 3,500 ohms	
Operating Environment	Temperature: -10° to 50°C ambient (14° to 122°F) Humidity: 100% IP69K and IP68	
Display	LED Backlit LCD with six 20mm (0.8") high digits with units and annunciators	
Setup & Calibration	Full digital with visual prompting in plain messages	
Digital Filter	Sliding window average from 0.1 to 4.0s	
Zero Range	Selectable from +/- 2% to +/- 100% Full Scale	
Standard Power Input	12 to 24VDC, 9.6, 12 and 24V batteries (2.5 VA max) ON/OFF key with memory feature	
Variants	AC	AC Power supply: 110/240VAC 50/60Hz in 12VDC 1.2A out
	Battery	12V 2.5Ah nickel-metal hydride (rechargeable NiMH)
Battery Usage	12 - 20 hours (depending on indicator configuration settings)	
Recharge Time	Upper limit 5 Hours	
Battery Life	Min. 300 battery recharges	
Optical Data Communications	Magnetically coupled infra-red communications Conversion cables available for RS 232 or USB	
Serial Outputs	RS232 automatic transmit, network or printer outputs Transmission rate: 2400, 4800, or 9600 baud	
Assignable Function Keys	1	
Inputs/Outputs	3 isolated high side drive outputs (max 400mA at 12-24VDC) 1 Input	
Battery Backed Clock Calendar	Battery life 10 years minimum	
Functions	Units, counting, manual hold, peak hold, live weight (livestock weighing), and totalizing	
Packing Weights	Basic Indicator: 4.4lb / 2 kg	
Approvals	NTEP: 11-050	
Warranty	2 Years	

OPTIONS

- XD30 Remote Display Unit
- Desk/Wall Mount - Stainless Steel
Supplied with indicator (also available as an option)
- CASLink USB Cable

CAS

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Specifications are subject to change for improvement without prior notice.

◀ Desk/Wall Mount



▲ XD30 Remote Display

FEATURES

Ingress Protection		IP69K/IP68
Enclosure	Hi Tech Plastic Alloy	Hi Tech Composite Alloy
	AC 110-240 VAC	•
Power	DC 12-24VDC	Optional
	Battery 12V 2.5Ah nickel-metal hydride (NiMH)	Optional
# of Load Cells	@ 350 Ohm	4
	@ 700 Ohm	8
Supplied Communication Port		RS232 Bidirectional
Converter	RS485 (Model #C0080)	
	20 mA (Model #C0081)	
	Bluetooth (Model #C0200)	
Inputs		1
Outputs		3
Networking		•
Units - Switchable		Select lb./ kg. or lb./kg./ ounce/gram switching capabilities*
Product Storage		5*
Check Weigh Bands		3
Counting		•
CASLink		Optional USB Cable PC Software Included
Clock Calendar		•
Configurable "sleep" mode option		•
Configurable back light settings		•
Print Totals		•
Custom Printing		•

*Available in V4 Firmware

DIMENSIONS

Units: Inches/mm

