

EDS / MDS 400 – DRUM SCALES

The Acromet EDS/MDS400 is a high quality, high accuracy single platform scale for weighing liquefied gas cylinders, or drums or carboys up to 100 lt with a diameter of 38.1 cm or less and weighing up to 182 kg. The scale is designed for the demanding environment of water and wastewater treatment facilities. The base is constructed of PVC, and only stainless steel hardware is used to assure long and reliable service in this corrosive environment. The use of a time-proven three beam support for weighing means that the position of the container is not critical. Consequently the scale can be used for solids as well as liquids and liquefied gases. The unit is available in either an electronic version (EDS400) or a mechanical version (MDS400) requiring no local power.



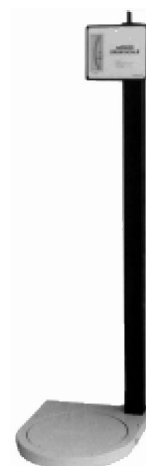
EDS 400

SYSTEM FEATURES

- Corrosion-proof, impact resistant PVC base with stainless steel hardware
- 38.1 cm diameter weighing surface
- 5 year warranty on scale base
- High accuracy 0.25% FS electronic 0.5% FS mechanical
- Capacity up to 181 kg
- Precision, stainless steel, strain gauge load cells (EDS400 only)

TYPICAL APPLICATIONS

- Liquefied gas cylinders such as chlorine, sulphur dioxide and carbon dioxide
- Carboys and small drums (up to 100 lt)



MDS400

PRODUCT SPECIFICATION

EDS400 Electronic Scale	
System Accuracy	0.25% FS
Display Resolution	Selectable 0.01g, 227 g or 454 gm
Display	6-digit, 1.4 cm red LED
Power Required	110-130 Vac, 50/60 Hz, 1 phase
Analogue Output	4-20 mA dc
Rated Capacity	182 kg
Safe Overload	273 kg
Shipping Weight	11.8 kg
Cable	457.2 cm, 4 conductor supplied
Options	
Serial Output	RS232, RS485
Dual Alarm Relays	Solid State, 250 Vac, 1.3 Amps
	Solid State, 400 Vdc, 1.3 Amps
DCB302 Cylinder Support bracket and safety chains	
Specification above applies when scale is used with Acromet's Model EI-1000 or EI-2000 weight indicators	

EDS / MDS 400
DRUM SCALES

PRODUCT SPECIFICATION continued

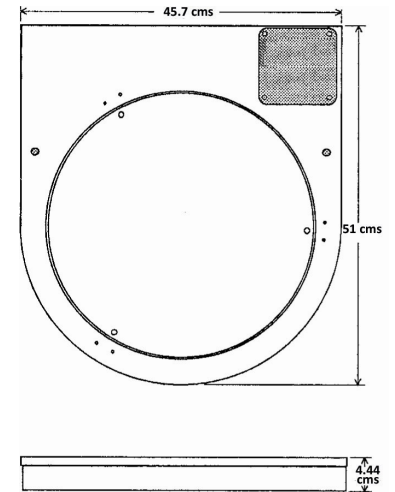
EDS400

This all-electronic scale uses a single stainless steel, strain gauge load cell. The scale electronics and load cell are mounted on top of the scale platform away from most sources of corrosion, in a NEMA 4X fibreglass enclosure ensuring full-time integrity of the weighing system

Because the scales has no long support column which traditionally housed cables or rods to transmit load to the cells, detection errors are completely eliminated.

The EDS400 is supplied with 457.2 cm of 4-conductor cable and an EI-1000 Single Channel Digital Display Transmitter suitable for local surface mounting.

Refer to Product Data Sheet B-1000/2000 for technical details and additional capabilities of the EI-1000 instrument



EDS400 Dimensions

MDS400 Mechanical Scale	
Scale Accuracy	0.25% FS
Scale Range	0-70 kg (net)
Scale Divisions	70 kg
Scale Resolution	2.2 kg
Tare Adjustment Range	20.4 - 65.9 kg
Rated Capacity	181 kg
Safe Overload Capacity	273 kg
Shipping Weight	20 kg
Mechanical analogue indicator is mounted on a self-contained 5 cm square, 152.4 cm high post.	

MDS400

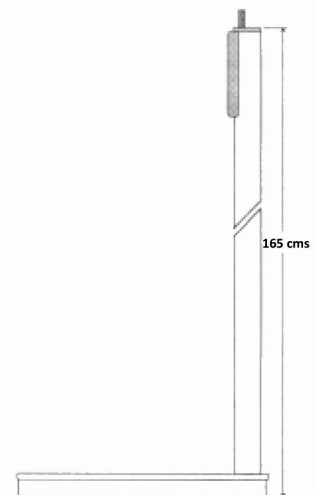
Designed with time-proven mechanical link construction this scale will provide reliable service when subjected to the rigours of highly corrosive chemical handling environments. Like the EDS400, this scale uses an all PVC base and stainless steel hardware.

This accurate mechanical scale provides a scale range of 0 -68 kg to an accuracy of 0.5 % of full scale with a maximum capacity of 181 kg and an adjustable tare range up to 165.9 kg.

Ordering Information

Customer must specify:

- Scale model number (electronic or manual)
- Scale range and graduations (kg)
- Desired Options



MDS400 Dimensions