

IDe 400 Device



Description

Compatible with all analogue strain gauge load cells, optimised for ARPEGE MASTER K digital indicating devices.

Superb precision and measuring accuracy:

- 6000 divisions per EMC (EN 45 501) standards
- 24-bit ADC (Analogue/Digital Converter), 16 M point limit
- High-speed measurement: 40-990 measurements/second (depending on software system)

User-friendly interface:

- Backlit LCD display (240 x 64 pixels) with 130 x 38 mm screen
- 6-digit numeric weight display (15mm tall) and corresponding operating manual
- 51-key alphanumeric keyboard, including 4 measurement and 13 functional buttons

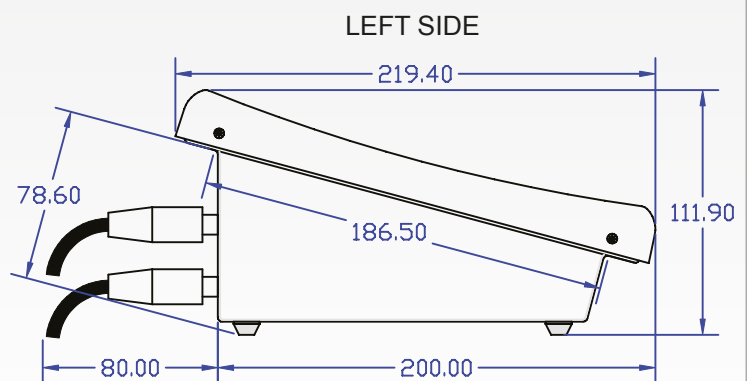
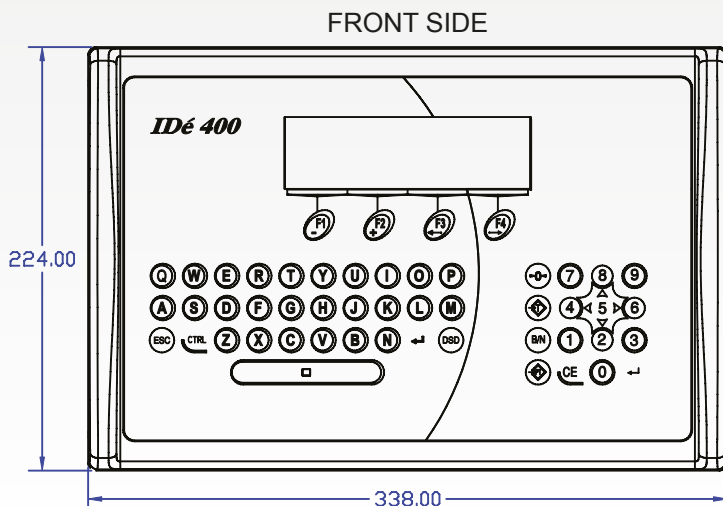
4 Mo of RAM (more than 80,000 data points)

Standard communication ports:

- 1 connection for the RS232 or RS485 Series (2 cables)
- 1 connection for the Reactive Current Loop Series
- 1 parallel port
- 1 analogue scale input
- 1 digital input (AMK component & sensor)
- 2 ToR inputs (for dynamic measuring & weighing systems)



Plan



Dimensions in mm

Characteristics

GENERAL

Power supply	Industry standard 230 VAC (-15/ +10%)
Option	12 VDC (- 10%/ +10 %) or 24 VDC (-45%/ +10 %)
Consumption	15 to 25 VA
EMC	Based on Standards EN 45 501 + OIML D11
Power Supply Sensor (analog)	75 V Alternating Square-Wave
Application Temperature	-10 °/ + 40 ° C
Storage Temperature	-20 °/ +60 ° C
Meter precision	± 1 measurement per month
DSD (Data Storage Device) Capacity	Please read the program factsheet
Indicating device weight (kg)	3.100
Packing dimensions (cm)	480 L x 28.8 W x 15.6 H
Packing weight (kg)	3.700

METROLOGICAL CHARACTERISTICS Compliant to EN 45 501 Standards

Maximum weighing capacity	6000 e / Accuracy Class III
Internal value	1/10 ^e (60,000 max. precision tenths)
Minimum input voltage per verification scale interval	0.75µV
Measurement speed	40-990 measurements per second

NON-COMPLIANT METROLOGICAL CHARACTERISTICS

Maximum weighing capacity	50,000 ^e
Internal value	1/10 ^e (500,000 max. precision tenths)

Advantages

- ▶ This indicating device comes with a wide range of professional software programmes that meets the requirements of most industrial weighing systems (please see the program factsheets)
- ▶ There are many Expansion Cards available
- ▶ Various ports and communication protocols are included
- ▶ Front-mounted built-in power supply device

Options

Optional I/O Expansion Cards*

- 4I/4O
- 4I/4O + 0/10V
- 4I/4O + 4/20 mA
- 8E/8S

Available Expansion Cards and Communication Ports*

- Active Current Loop Card
- RS232 Expansion Card
- RS485 Expansion Card (2 or 4 cables)
- Ethernet Xport Modbus® TCP Expansion Card
- 0-10V Expansion Card
- 4-20 mA Expansion Card
- USB Port (USB key)
- Fieldbus Port Expansion Cards (ProfibusDP, DeviceNET, Ethernet Modbus TCP)

* Option selection based on availability of indicating device program, not to be used in conjunction with one another (see program factsheet)

ARPEGE MASTERK

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Our product factsheets
are available for download
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www.masterk.com

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