

HEATING
VENTILATION
AIR CON
WATER

FUTURE VALVE TECHNOLOGY

PrimeComm Instruments

Electronic Commissioning Unit



- Convenience
- Time Saving
- User-friendly design
- Two models available

PrimeComm

Electronic Commissioning Unit with Application Software



The PrimeComm is an electronic manometer, which is designed to measure differential pressures primarily on balancing valves within water-based HVAC systems. Two options are available Standard Pressure 0.5 kPa - 200 kPa and High Pressure 2.0 kPa to 600 kPa. The PrimeComm is offered as a complete replacement for a traditional 'water box' and is the obvious choice for today's commissioning engineers. The performance characteristics of over 4,500 valves - from 70 manufacturers are pre-programmed into the PrimeComm and this extensive knowledge base is continually being updated as new valves are introduced onto the market.

Each unit is supplied with Project Application Software which allows the user to set out a project on a PC with the ability to define floors, groups, branches etc and drag and drop valves into each of these areas. Once prepared, the commissioning schedule for the project can be loaded to the PrimeComm for use on-site.

FEATURES

> Convenience

Compact and lightweight and supplied in a carry case with connection tubes, Binder-style adapters and an assortment of commissioning accessories.

> Time saving

Each unit is supplied with Project Application Software which can be loaded onto a Windows™ PC to enable a project to be defined prior to attending site.

> User-friendly design

Small enough to be held in the palm of one hand and with nine button keypad to allow quick and simple navigation of the menu structure.

> Higher

Two models available Standard Pressure 0.5 kPa - 200 kPa and High Pressure 2.0 kPa to 600 kPa much higher than traditional water / mercury boxes.

BENEFITS

- Lightweight, compact and easily transportable.
- Highly accurate measurement of differential pressure.
- Eliminates manual calculations, saving time and reducing risk of errors.
- Storing data from site, and downloading of data to PC for commissioning report.
- Technical support available.
- Covers a wide range of differential pressures.

Every effort has been made to ensure that the information contained in this publication is accurate at the time of publishing. Crane Ltd assumes no responsibility or liability for typographical errors or omissions or for any misinterpretation of the information within the publication and reserves the right to change without notice.



CASE CONTENTS

Each PrimeComm handset is supplied in a sturdy carry case, fitted with profiled foam inserts which includes:

		QUANTITY
1	Carry case, with profiled foam inserts	1
2	Hand held transducer and display unit in a rubber protector	1
3	Connection tubes with isolating valves	2
4	Angle-pattern, binder-style adapters, 3.3mm diameter	2
5	Straight-pattern, binder-style adaptors, 2.0mm diameter	2
6	A set of T-handle Hex keys (3mm, 4mm, 5mm, 6mm and 8mm)	1
7	Screwdriver	1
8	PP3 batteries	2
9	Lanyard	1
10	Strainer maintenance kit	1
11	Calibration certificate	1
12	Quick-Start Guide	1
13	Instruction manual	1

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PRE-SET DEFAULTS

	PrimeComm	PrimeComm - HP
Accuracy	+/- 1% of reading or +/- 0.1 kPa, whichever is the greater	+/- 1% of reading or +/- 0.2 kPa, whichever is the greater
Max Allowable Static Pressure	10 bar	20 bar
Measurement Range	0.5 kPa to 200 kPa	2 kPa to 600 kPa

	WEIGHT (kg)
PrimeComm Handset *	430g
PrimeComm-HP Handset *	410g

* Stated weights are with no battery fitted and exclude rubber protective boot.

	SET DEFAULT	OPTIONS
Language	English	French, Italian, Spanish, Norwegian, Swedish
Pressure Units	kPa	Pa, psi, bar, H ₂ O, IWGA, FtHD
Flow Units	l/sec	l/min, 1/hr, USGPM, UKGPM, m ³ /hr, m ³ /m, m ³ /s
Display Options	Flow/Pressure	Multi Display, Pressure, About
Damping Options	Update time	from 1.00 sec to 2.55 sec (default - 1.00 sec)
	Sample time	from 0.6 sec to 11.0 sec (default = 3.0 sec)
Advanced	Flow Alerts - Disabled	Enabled
	Back-Light Timer - 5min	1min, 5min, 10min, Always On
	Auto Off Timer - 5min	1min, 5min, 10min, Always On
	View Size As - mm	Inches
Specific Gravity	1.0	User Defined



FM311 ISO 9001

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- Designed and manufactured under quality management systems in accordance with BS EN ISO 9001:2008

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