

CR2

REMOTE HANDSET



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PIPELINE CRAWLERS • BETATRON PORTABLE X-RAY • DIGITAL RADIOGRAPHY

The JME CR2 Remote Handset enables never before seen control and monitoring capabilities of the Pipeline Crawler systems during active operations. With multi-language support and an intuitive User Interface it enables easy setup and configuration of the entire system, including the X-Ray tube before deployment.

Real-time data from the Crawler system provides critical information of Drive Status, Battery Levels, Sensor, Exposure Parameters and Adjustment, while the Safety Override and Recovery Features ensure added safety and reduced downtime. The versatile JME Remote Handset allows continuous status monitoring of compatible JME Crawlers throughout their operation. Users can access and adjust various parameters and settings effortlessly, extending functionality up to 2km with the JME CR2 Radio Repeater / Extender.

The user-friendly interface boasts a graphical 4.3" touch-screen display, LED indicators, and a 5-way button control for use with Gloves. All via communications approved worldwide without special licensing.

The pairing mechanism ensures data display only from the appropriately paired unit and accepts commands solely from the corresponding Handset.

JME's Remote Handset streamlines pipeline operations and maximizes control over CR2 Crawler systems for optimal efficiency.



With hundreds of units now in the field, alongside a proven ability to improve safety, reduce downtime and enhance workflow, JME's CR2 Pipeline Crawler systems in conjunction with a handset, give you the edge for any pipeline tenders and subsequent work operations.



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TECHNICAL SPECIFICATIONS

Weight	1 Kg
Dimensions (L x W x H)	105mm x 195mm x 60mm
Display Area	4.3" diagonal
Environmental	Operating temperature: -20°C to +60°C Storage temperature: 0°C to +70°C
Display Brightness	300cd/m3
Touch Type	Projective Capacitive
Battery type	Lithium-ion
Battery capacity	10,500mAh
Typical Battery life	12 hours
Charging port	DC 2.5 x 5.5 connector
Charging voltage	4.2V @ 2.7A
RF Operating frequency	ISM 2.4GHz
Transmit Power Output	Up to +20 dBm
Operating Range	Maximum: 1km (under optimal conditions)
Radio Module	FCC Part 15.247 - FCC ID U90-RF220UF1
Agency Approvals	Industry Canada (IC) – Ref 7084A-RF220UF1 CE certified – to EN300 328 V 1.8.1
FCC Notice	This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interferences, and (2) this device must accept any interference received including interference that may cause undesired operation.
Language Options	English, French, Russian Other Languages available upon request
Transport Information	Weight 148.4g, Watt Hours 38.85, Voltage 3.7

USER CONFIGURABLE SETTINGS ADJUSTABLE AT ANY TIME

- Pre-waring time for X-Ray
- Anti-runaway timing, useful for when first welds are further along the string
- Exposure time, along with tube kV & mA
- Drive motor speed
- Sensor adjustment

2 STAGE CRAWLER BATTERY ALERT

- 1 Low Battery
- 2 Battery Empty - No more X-Ray possible Drive still available

Threshold set to ensure return travel



IMPROVED EASE OF SET UP

On-board Detector and Mechanical Pipe size configuration wizard: Enabling consistent reliability of deployment and removing the reliance of a hard copy manual for reference on site.



SALES AND MANUFACTURING

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VIEW THE JME PIPELINE CRAWLER ACCESSORY RANGE at www.jme.co.uk

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